MODEL

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# SECTION 4 MECHANISM

NOTE) The table of contents for this section is edited separately.

# SECTION 5 REPLACEMENT PARTS LIST

Mechanical Section											 5-	1
Electrical Section		_				_					 5-	6

#### SECTION 1 SUMMARY KEY TO ABBREVIATION

	KETIOAE		VIATION	:Letter Character
AC ACC	:Alternating Current - :Automatic Color Control		LECHA LM	·l evel Meter
ACSS	:Automatic Channel Setting System		LP	:Long Play
ADJ	:Adjust	м	MAX	:Maximum
A/E	:Audio Erase	M	MD	:Modulator
AFC	:Automatic Frequency Control			:Mechanism Control
AFT	Automatic Frequency Control		MECHA, CTL	:Microphone
	:Automatic Fine Tuning :Automatic Gain Control		MIC	
AGC	:Automatic Gain Control		MIN	:Minimum
A.H.SW	:Audio Head Switch		MIX	:Mixer, Mixing :Mono Multi Vibrator
ALC	:Automatic Level Control		MM	:Mono Multi Vibrator
AM	:Amplitude Modulation		MMV	:Monostable, Multivibrator
AMP	:Amplifier		MOD	:Modulation, Modulator
ANT	:Antenna		MODEM	:Modulator-Demodulator
APC	:Automatic Phase Control		MPX	:Multiplex
ASS'Y	:Assembly			
AUX	:Auxiliary	N	NR.	:Noise Reduction
		. 0	OSC	:Oscillator
В	:Base		OSD	:On Screen Display
BGP	:Burst Gate Pulse	Р	PB	:Playback
BPF	:Bandpass Filter	F	PCB	:Printed Circuit Board
BS	:Bradcasting Satellite		P.CTL	:Power Control
BW or B/W	:Black and White		PER-AMP	:Preamplifier
C	:Capacitor, Chroma, Collector	•		Preampilier
			P.F	:Power Failure :Pulse Generator
CAN	:Cancel		PG	:Pulse Generator
CAP	:Capstan _		PLL	:Phase Locked Loop
CAP.BRK	:Capstan Brake		PREM.DET	:Premire Detect
CAP.RVS	:Capstan Revers		P. <b>P</b>	:Peak-to-Peak
CATV	:Cable Television		PS	:Phase Shift
CBA	Circuit Board Accombly		PWM	:Pulse Width Modulation
CCD	:Charge Coupled Device		PWR CTL	:Power Control
C.CTL	:Chro Contral, Capstan Control	_		
CFG	:Capstan Frequency Generator	Q	Q	:Transistor
CLG	Chaminana Generator		QH	:Quasi Horizontal
CHROMA	:Chrominance		QSR	:Quick Setting Record
CNR	:Chroma Noise Reduction		QTR	:Quick Timer Record
COMB	:Combination		QV	:Quasi Vertical
	Comb Filter	R	Ř	
COMP	:Comparator		RE(or RC)	:Resistor, Right :Remocon, Receiver
	Composite		HE(OF HC)	: nemocon, neceiver
	Compensation		REC	:Recording
CONV	:Converter		REC S. 'H'	:Record Start 'Hight'
C.ROT SW	-Color Dates - Control		REF	:Reference
C.HOI SW	:Color Rotary Switch		REG	:Regulated, Regulator
CS	:Chip Select		REMOCON:Rem	note Control(unit)
C.SYNC CST	:Composite Synchronization		RF	:Radio Frequency
CST	:Cassette		R/P	:Record/Piayback
CTL DIV	:Control Divide		RTC	:Reel Time Counter
CUR	:Current	_		
CYL	:Cylinder	S	S	:Serial
	.Cymoo		S.ACCEL	:Slow Accel
D	:Drum, Digital, Diode, Drain		SAOP	:Second Audio Program
Ð.ADJ	:Drum Adjust		SC	:Scat, Simulcast
DC	:Drum Adjust :Direct Current		S.DET	:Secam Detect
D.CTL	:Drum Control		SH	:Shift
DEMOD	:Demodulator		SHARP	:Sharpness
DET	:Detector		SIF	:Sound Intermediate Frequency
DEV	:Deviation		SLD .	:Side Locking
DHP	:Double High Pass		S/N	:Signal to Noise Ratio
DICITRON	Digital Digital Cubs		SIN	Standard Diese
DIGITRON	:Digital Display Tube		SP	:Standard Play
DL	:Delay line		ST	:Stereo
DOC	:Drop Out Compensator		SUB	:Subtract, Subcarrier
DUB	:Dubbing		SW or S/W	:Switch
D/V SYNC	:Dummy Vertical Synchronization		SYNC	:Synchronization
E	:Emitter	-	SYSCON	:System Control
ĒE	:Electric to Electric	т	T	:Coil
EMPH	-Credito to Electric	'	Τ̈́P	:Test Point
	Emphasis		10	. rest FORK
ENA	:Enable		TR	:Transistor
ENV	:Envelope		TRK	:Tracking
EP	:Extended Play		TRANS	:Transformer
EQ	:Equalizer		TU	:Tuner, Take-Up
EXP	:Expander	U	UHF	:Ultra High Frequency
F	:Fuse		UNREG	:Unregulated
	.r ude			
FB	:Feed Back	V	V	:Volt, Vertical
FBC	:Feed Back Clamp		VA	:Always Voltage
FE	:Full Erase		VCO	:Voltage Controlled Oscillator
FF	:Fast Foward		VGC	Wolfage Gain Control
FG	:Frequency Generator		VHF	Very High Frequency Video Head Switch VHS Index Search
FL.	:Filter		V.H.SW	Video Head Switch
FM	:Frequency Modulation		VISS	VHS index Seamb
F/R	:Front/Rear		VPS	Video Program System
FS	:Frequency Synthesizer		VPS VR	:Video Program System :Variable Resistor or Volume
E00	Cubanics Synthesizer		VH	.variable riesistor or volume
FSC	:Subcarrier Frequency		V-SYNC VTG	:Vertical Synchronization
FN	:Frequency Voltage	_	VTG	:Voltage
GEN	:Generator	-	W	:Voltage to Voltage
			vxo	:Voltage X-tal Oscillator
H	:High, Horizontal			Attend
		_ w	W	:Watt
IC	:Integrated Circuit		WHT	:White
İĒ	:Intermediate Frequency		W.O	:With Out
INS	insert	x	X-TAL	:Crystal
IINO		_		
	:Low, Left, Coil	Y	Y/C	:Luminance/Chrominance
L				at a main and an Alaine Chadacation
	:Loading		YNR	:Luminance Noise Reduction
L LD LV VTG CTL	:Loading :Loading Voltage Control	z	ZD ZD	:Zener Diode

1-1

## IMPORTANT SAFETY PRECAUTIONS

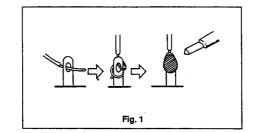
Prior to shipment from the factory, the products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

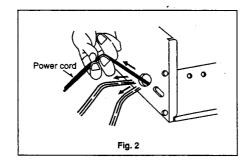
#### Precautions during Servicing

- Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product. When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.
- Parts identified by the ∆ symbol and shaded (■) parts are critical for safety.
   Replace only with specified part numbers.

Note: Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.

- 3. Use Specified internal wiring. Note especially:
  - 1) Wires covered with PVC tubing
  - 2) Double insulated wires
  - 3) High voltage leads
- 4. Use specified insulating materials for hazardous live parts. Note especially:
  - 1) Insulation Tape
  - 2) PVC tubing
  - 3) Spacers
  - 4) Insulation sheets for transistor
- When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.) wrap ends of wires securely about the terminals before soldering. (Fig. 1)
- Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.).
- Check that replaced wires do not contact sharp edged or pointed parts.
- When a power cord has been replaced, check that 10-15Kg of force in any direction will not loosen it. (Fig. 2)
- Also check areas surrounding repaired locations.





#### 10. Products using cathode ray tubes (CRTs)

In regard to such products, the cathode ray tubes themselves, the high voltage circuits, and related circuits are specified for compliance with recognized codes pertaining to X-ray emission. Consequently, when servicing these products, replace the cathode ray tubes and other parts with only the parts specified. Under no circumstances attempt to modify these circuits. Unauthorized modification can increase the high voltage value and cause X-ray emission from the cathode ray tube.

## SAFETY CHECK AFTER SERVICING

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions. Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

#### Insulation resistance test

Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table below.

#### Dielectric strength test

Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table

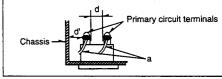


Fig. :

#### · Clearance distance

When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See table below.

Table 1: Ratings for selected areas

AC Line Voltage	Region	Insulation Resistance	Dielectric Strength	Clearance Distance (d), (d')
* 110 to 130V 200 to 240V	Europe Australia	≥10M	4kV 1 minute	≥6mm (d) ≥8mm (d') (a Power cord)

#### Class I model only.

Note: This table is unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

#### · Leakage Current test

Confirm specified or lower leakage current between B (earth ground, power cord plug prongs) and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone lacks, earphone lacks, etc.).

Measuring Method: (Power ON) Insert load Z between B (earth ground, power cord plug prongs) and exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See figure and following table.

Exposed accessible part AC Voltmeter (high impedance)

Earth Ground,
Power cord plug prongs

Fig. 4

. . . . . .

Table 2 : Leakage current ratings for selected areas

AC Line Voltage	Region	Load Z	Leakage Current (i)	Earth Ground (B) to :
100 to 130V	Europe	0—∕W—0 2kΩ	i≦0.7m A peak i≤2m A dc	Antenna earth terminals
200 to 240V	Australia	O—∕W—O 50kΩ	i≦0.7m A peak i≤2m A dc	Other terminals

Note: This table is unofficial and for reference only. Be sure to confirm the precise values for your particular , country and locality.

## SPECIFICATIONS \*\*\*

General Power

: 100-240V~, 50Hz.

Power consumption

: Approx. 27 watts (Energy saving mode:3 watts)

Video Head system

: Double azimuth 4 heads, helical scanning system

Tape speed Tape format : 23.39 mm/sec (SP mode)/

11.69mm/sec (LP mode)

Maximum recording time

: Tape width 1/2" (12.7 mm high density VHS tape)

: 4 hours in SP mode/8 hours in LP mode (with E-240 tape)

Rewind time

: Approx. 150 sec. (with E-180 tape)

Dimensions (W X H X D)

: 14.2" X 3.6" X 11.8"

(360 X 92 X 290 mm)

Weight

: 9.0lbs. (4.1 kg)

Operating temperature

: 41° F-95° F (5° C-35° C)

Operating humidity

Less than 80%

Timer

: 24 hours display type

Video

Television system

: CCIR standard (625 lines, 50 fields)

PAL/SECAM colour signal

Recording format

: PAL/MESECAM

RF reception

: PAL B/G, SECAM B/G

RF OUT

: PALG

Input level

: VIDEO IN (Scart, RCA type)

1.0 Vp-p, 75 ohm, unbalanced

: VIDEO OUT (Scart type) Output level

1.0Vp-p, 75 ohm, unbalanced

: More than 43 dBm Signal to noise ratio

Audio

input level

Output level

: AUDIO IN (Scart, RCA type)

Scart type: 0 dBm, more than 10 k $\Omega$ 

RCA type : -6.0 dBm, more than 47 k $\Omega$ 

: AUDIO OUT (Scart, RCA type)

Scart type: 0 dBm, less than 1 k $\Omega$ 

RCA type: -6.0 dBm, less than 1 kΩ

: Mono track & Hi-Fi track Audio track Audio frequency response

: Normal: 100 Hz-10kHz (-6/+3)

Hi-Fi: 20 Hz-20 kHz (-3/+3 dB)

Audio signal to noise ratio

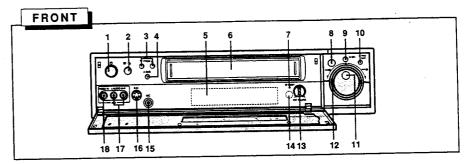
: Hi-Fi audio: More than 75 dB (JIS A filter)

Audio dynamic range

: Hi-Fi audio:More than 80 dB (JIS A filter)

Design and specifications are subject to change without notice!

# LOCATION OF CUSTOMER CONTROLS



1. O POWER

2. STOP/EJECT

3. PROG. (▼/▲)

4. A.DUB

5. MULTI FUNCTION DISPLAY

6. VIDEO CASSETTE COMPARTMENT

7. STANDBY INDICATOR

8. PLAY

9. IMI►

10. REC/QSR

11, JOG DIAL

12. SHUTTLE RING

13. MIC VOLUME

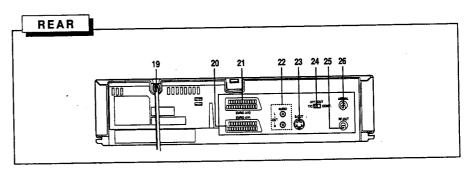
14. REMOTE CONTROL SENSOR

15. MIC

16. S-IN

17. AUDIO INPUT TERMINALS (L/R)

18. VIDEO INPUT TERMINAL



19. MAINS LEAD

20. EURO AV1

21. EURO AV2

22. AUDIO OUT TERMINALS (L/R)

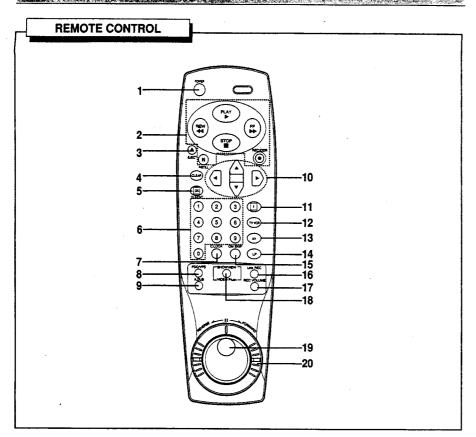
23, S-OUT

24. AV1 OUT (Y/C, COMP.)

25. RF.OUT

26. AERIAL

## LOCATION OF CUSTOMER CONTROLS



- 1. POWER
- 2. BASIC OPERATION BUTTONS
- 3. EJECT
- 4. CLEAR
- 5. OK/CLOCK/TAPE COUNTER/ TAPE REMAINING
- 6. NUMBER BUTTONS
- 7. CHILD LOCK
- 8. PDC/VPS
- 9. A.DUB
- 10. CURSORS (▲, ▼, ◀, ▶)

- 11. i
- 12. TV/VCR
- 13. AV MODE
- 14. TAPE SPEED SELECT(LP)
- 15. CM SKIP
- 16. Link REC
- 17. REC VOLUME
- 18. SHOWVIEW
- 19. JOG DIAL
- 20. SHUTTLE RING

## **SECTION 2 CABINET & MAIN FRAME**

## SERVICE METHOD

#### **Electrical Part**

(1) Disassembly Flow

Front Panel
Housing & Deck
Assembly
Main C.B.A
Timer C.B.A

(2) Re-assembly Flow service like Fig. 2-1

Timer C.B.A

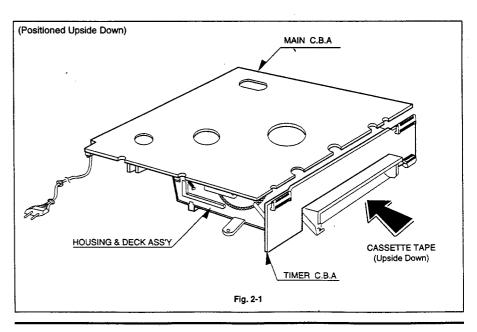
Main C.B.A

Housing & Deck Assembly

- (3) To check and replace Electrical parts
  - ① Disassemble the unit according to No.1) Disassembly Flow.
  - ② Re-assemble the unit according to No.2) Re-assemble Flow.
  - 3 Place the unit like Fig. 2-1.
  - 4 Check and replace Electrical parts.

#### Note:

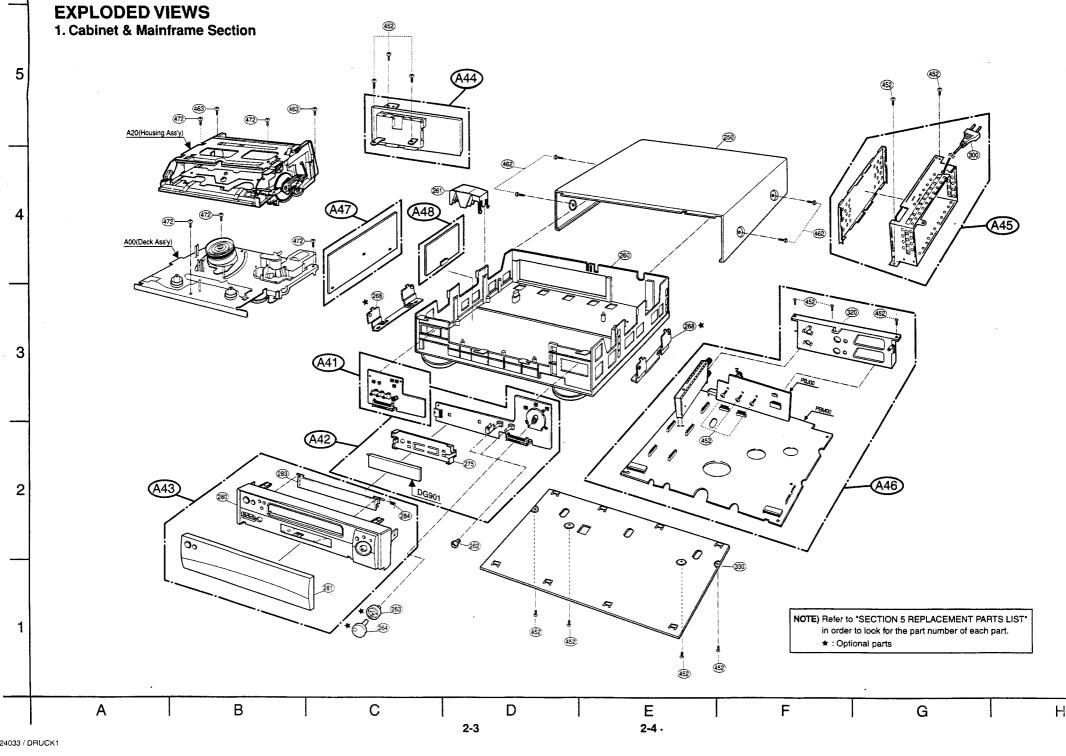
- Insert Video Cassette Tape inversely like Fig. 2-1 to check and replace defective parts.
- ② In disassembling and reassembling, be careful not to damage CST switch.



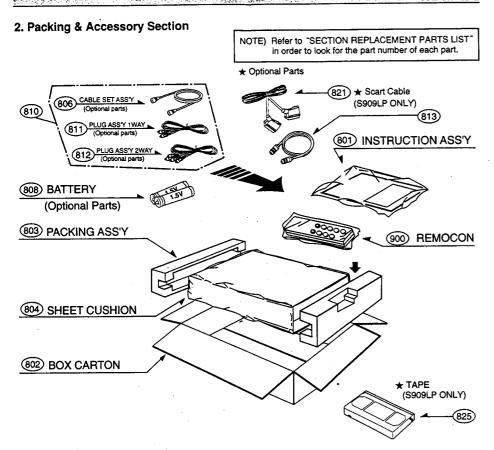
## · Cabinet & Main Frame Section

RUN DATE: 98.11.19
NSP: Not Service Part

s /	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
			ASSEMBLY PARTS SE	CTION	
Т	A41 -	3501B-1062A	BOARD ASSY	KEY BOARD	
	A42	3501R-1061F	BOARD ASSY	TIMER	
1	A43	3721R-F024K	PANEL ASSY, FRONT [NORMAL PARTS]	S909LP 3GL1L	İ
1	A44	3501F-1064A	BOARD ASSY	PRE-AMP	1
1	A45	3501R-1063A	BOARD ASSY	SMPS	
١	A46	3501R-1057E	BOARD ASSY	MAIN(S909LP)	
-	A47	6871R-1059B	PWB(PCB) ASSY	Y/CBOARD	
ļ	A49	6871R-1060A	PWB(PCB) ASSY	MPX BOARD	<u> </u>
			PARTS SECTION	١	
-	250	3110R-0030A	CASE	TOP	
١	260	3210R-0009B	FRAME	MAIN	NSP
	261	4930R-0023A	HOLDER	TUNER	
-	262	4940R-V003A	KNOB	VOLUME	
	263	4940R-Z004B	KNOB	SHUTTLE(UVP-H396G)	1
-	264	4940R-Z003B	KNOB	JOG(UVP-H396G)	
	275	4930R-0024A	HOLDER	DIGITRON	
	280	3720R-F020B	PANEL	FRONT	NSP
	281	3551R-0007H	COVER ASSY	DOOR	NSP
	283	3580R-0022T	DOOR	cst	1
	284	442-681A	SPRING	DOOR	ļ
	300	6410RCL002B	POWER CORD	DW5000E(FILTER) DONGWON VDE 21	
	320	3721R-D015D	PANEL ASSY, DISTRIBUTOR NORMAL	·	İ
	330	3550R-0159A	COVER	воттом	
			SCREW		
_	452	353-051A	SCREW	SPECIAL	
	462	353-136A	SCREW *	SPECIAL(FBK) (353S353A)	İ
	463	1MBC0302418		D3.0 L8.0 MSWR3/FZY	1
	472	353-051E	SCREW	SPECIAL (3X12)	ļ



# **EXPLODED VIEWS**



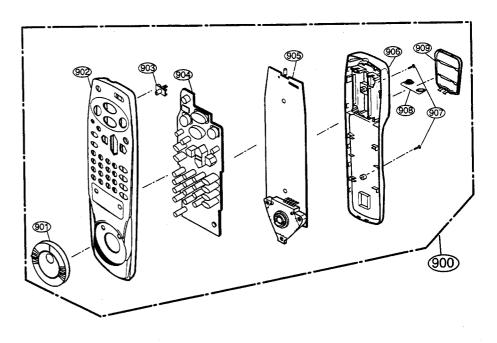
#### · Packing Accessory Section

RUN DATE: 98.11.19
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		801	3835RP0031H	INSTRUCTION ASSY	S909LP 3GL1L	
		802	3890R-H125A	BOX	S909LP 3GL1L SW3-A 1.095 2 FLX	-
		803	3920R-0063A	PACKING	0.02 107 EPS 10 768 1596	Ì
	OR	804	292-053B	BAG	SOFT(MIDI)	NSP
		804	3858R-0006A	SHEET	ROLL(W630XL300MX0.5T)	NSP
		806	861-033B	CABLE SET ASSY	RF-CABLE ASSY FTZ (D.D)	
	1	808	534-008C	BATTERY	AAAM(R03) 1.5V 1PAIR(LOCAL)	į
		810	861-505K	CABLE SET ASSY	RF-CABLE ASSY PAL HI-FI FTZ	
	1	811	564-0178	PLUG ASSY	PHONO CORD TWAY (YL)	Į.
	(	812	564-018B	PLUG ASSY	PHONO CORD 2WAY (RD/WH)	1
		813	683-002B	CABLE	S-VHS CORD SUAHN	
		821	861-045C	CABLE,COAXIAL	SCART+SCART CABLE (DONGDO)	İ
		825	453-100K	TAPE (CIRC)	S-VHS TAPE(PAL E-180)	1



#### 2. Remote Control Section



## · Remote Control Section

RUN DATE : 98.11.19 NSP: Not Service Part

Γ	s	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION REMARK	s
			900	6711R2P004A	REMOTE CONTROLLER ASSY	J4	

## **SECTION 3 ELECTRICAL**

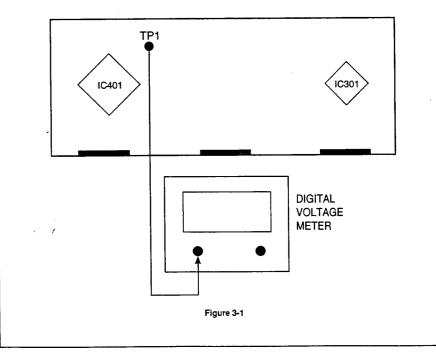
## ELECTRICAL ADJUSTMENT-PROCEDURES SWEET

## 1. Sepa Ref Voltage Adjustment

 $\bigstar$  The Input signal for this adjustment is based on the SCART1(100% COLOR BAR).

MODE	TEST POINT	DIGITRON NO.	SPECIFICATION	TEST EQUIPMENT
E-E	TP1	01	1.2 ± 0.01V	D.V.M

- ① Connect the Digital Voltage Meter to the TP1 as shown below.
- ② To display the Jig Mode on the digitron, press the OK key on the remocon and the REC key on the VCR at the same time.
- 3 To display the number of 01 on the digitron, press the right or left key on the remocon.
- ♠ Adjust the DC Voltage to 1.2±0.01V, pressing the tracking (CH) up and down key on the remocon.



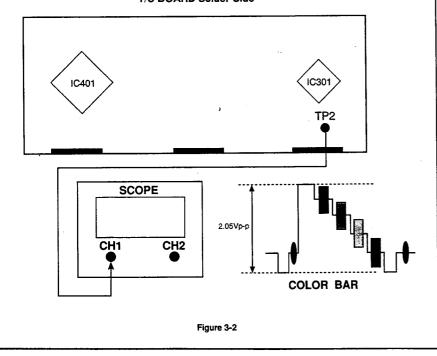
#### 2. E-E Video Level Adjustment

 $\bigstar$  The Input signal for this adjustment is based on the SCART1(100% COLOR BAR).

MODE	TEST POINT	DIGITRON NO.	SPECIFICATION	TEST EQUIPMENT
E-E	TP2	02	2.05 ± 0.05Vp-p	SCOPE

- ① Connect the scope to the TP2 as shown below.
- ② To display the Jig Mode on the digitron, press the OK key on the remocon and the REC key on the VCR at the same time
- $\ensuremath{\mathfrak{J}}$  To display the number of 02 on the digitron, press the right or left key on the remocon. .
- 4 Adjust the video level to 2.05  $\pm$  0.05 Vp-p, pressing the tracking (CH) up and down key on the remocon.

#### Y/C BOARD Solder Side

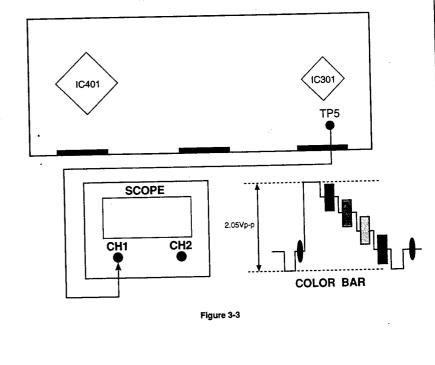


# ELECTRICAL ADJUSTMENT PROCEDURES

## 3. S-VHS PB Level Adjustment

MODE	TEST POINT	DIGITRON NO.	SPECIFICATION	TEST EQUIPMENT
PB S-VHS	TP2	03	2.1 ± 0.05Vp-p	SCOPE

- () Connect the scope to the TP2 as shown below.
- ② Play the S-VHS SP test tape.
- 3 To display the Jig Mode on the digitron, press the OK key on the remocon and the REC key on the VCR at the same time.
- 4 To display the number of 03 on the digitron, press the right or left key on the remocon.
- (5) Adjust the V.OUT level to 2.1±0.05Vp-p, pressing the tracking (CH) up and down key on the remocon.

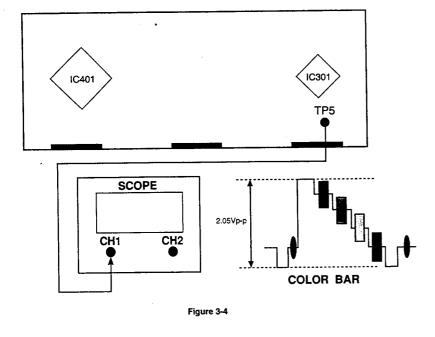


## 4. VHS PB Level Adjustment

MODE	TEST POINT	DIGITRON NO.	SPECIFICATION	TEST EQUIPMENT
PB VHS	TP2	03	2.05 ± 0.05Vp-p	SCOPE

- ( ) Connect the scope to the TP2 as shown below.
- 2 Play the VHS SP test tape.
- ③ To display the Jig Mode on the digitron, press the OK key on the remocon and the REC key on the VCR at the same time.
- 4 To display the number of 03 on the digitron, press the right or left key on the remocon.
- S Adjust the V.OUT level to 2.05±0.05Vp-p, pressing the tracking (CH) up and down key on the remocon.

#### Y/C BOARD Solder Side

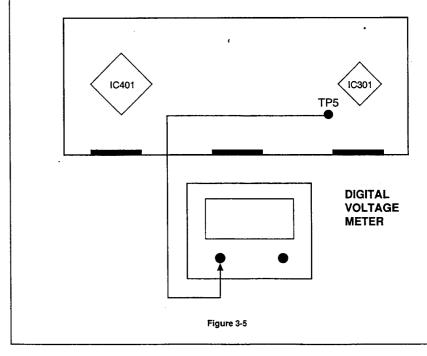


## ELECTRICAL ADJUSTMENT PROCEDURES

#### 5. LC VCO Level Adjustment

MODE	TEST POINT	Adjustment Point	SPECIFICATION	TEST EQUIPMENT
PB VHS	IC301 PIN8	FL301	2.5 ± 0.1V	D.V.M

- ① Connect the Digital Voltage Meter to the IC301 PIN8 as shown below.
- ② Playback a VHS SP Test tape and vary FL301 so that the DC voltage of IC301 PlN8 is to be 2.5  $\pm$  0.1V.



#### 6. Sub-Emphasis Level Adjustment

★ The Input signal for this adjustment is based on the SCART1(100% COLOR BAR).

MODE	TEST POINT	DIGITRON NO.	SPECIFICATION	TEST EQUIPMENT
E-E	TP3	06	0.4 ± 0.05Vp-p	SCOPE

- (I) Connect the scope to the TP3 as shown below.
- ② To display the Jig Mode on the digitron, press the OK key on the remocon and the REC key on the VCR at the same time.
- ③ To display the number of 06 on the digitron, press the right or left key on the remocon.
- 4 Adjust the level to  $0.4\pm0.05$ Vp-p, pressing the tracking (CH) up and down key on the remocon.

# Y/C BOARD Solder Side TP3 (C301) SCOPE O.4Vp-p Figure 3-6

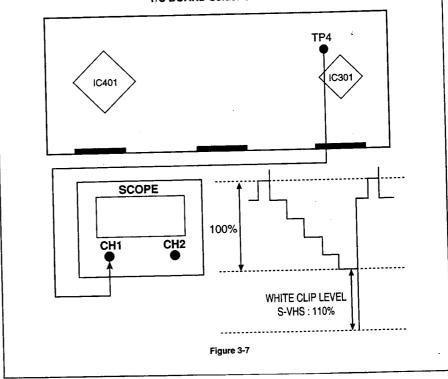
# ELECTRICAL ADJUSTMENT PROCEDURES

## 7. S-VHS White Clip Level Adjustment

 $\star$  The Input signal for this adjustment is based on the SCART1(100% COLOR BAR).

MODE	TEST POINT	DIGITRON NO.	SPECIFICATION	TEST EQUIPMENT
E-E S-VHS	TP4	04	210 ± 10%	SCOPE

- ① Connect the Scope to the TP4 as shown below.
- ② To display the Jig Mode on the digitron, press the OK key on the remocon and the REC key on the VCR at the same time
- 3 To display the number of 04 on the digitron, press the right or left key on the remocon.
- 4 Adjust the Clip Level to 210  $\pm$  10%, pressing the tracking (CH) up and down key on the remocon.

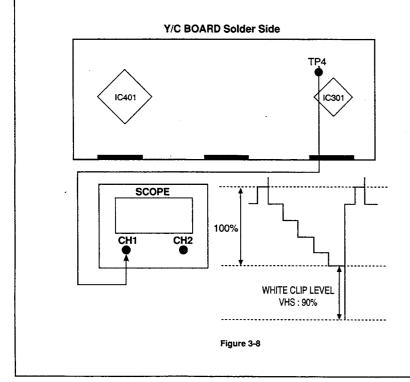


#### 8. VHS White Clip Level Adjustment

★ The Input signal for this adjustment is based on the SCART1(100% COLOR BAR).

MODE	TEST POINT	DIGITRON NO.	SPECIFICATION	TEST EQUIPMENT
E-E VHS	TP4	04	190 ± 10%	SCOPE

- ① Connect the Scope to the TP4 as shown below.
- ② To display the Jig Mode on the digitron, press the OK key on the remocon and the REC key on the VCR at the same time.
- 3 To display the number of 04 on the digitron, press the right or left key on the remocon.
- Adjust the Clip Level to 190±10%, pressing the tracking (CH) up and down key on the remocon.



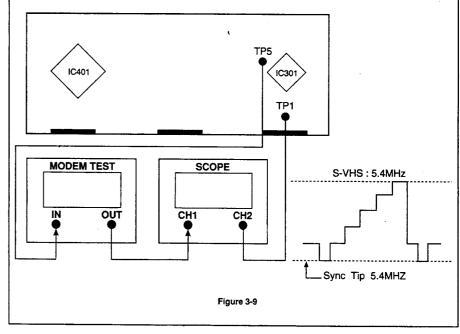
## **ELECTRICAL ADJUSTMENT PROCEDURES**

#### 9. S-VHS Carrier Adjustment

★ The Input signal for this adjustment is based on the SCART1(100% COLOR BAR).

MODE	TEST POINT	DIGITRON NO.	SPECIFICATION	TEST EQUIPMENT
E-E S-VHS	TP5	05	5.4 ± 0.05MHz	MODEM TEST

- (I) Connect the Modern Test to the TP5 as shown below.
- ② To display the Jig Mode on the digitron, press the OK key on the remocon and the REC key on the VCR at the same time.
- 3 To display the number of 05 on the digitron, press the right or left key on the remocon.
- 4 Adjust the waveform to 5.4  $\pm$  0.05MHz, pressing the tracking (CH) up and down key on the remocon.



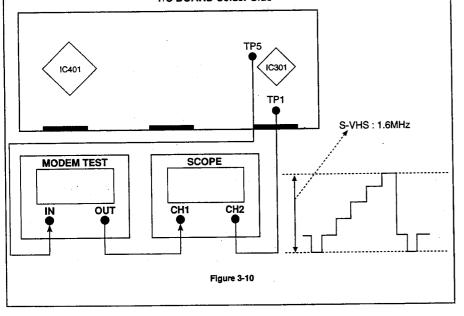
## 10. S-VHS Deviation Adjustment

★ The Input signal for this adjustment is based on the SCART1(100% COLOR BAR).

MODE	TEST	DIGITRON NO.	SPECIFICATION	TEST EQUIPMENT
E-E S-VHS	TP5	06	1.6 ± 0.05MHz	MODEM TEST

- ① Connect the Modern Test to the TP5 as shown below.
- ② To display the Jig Mode on the digitron, press the OK key on the remocon and the REC key on the VCR at the same time.
- 3 To display the number of 06 on the digitron, press the right or left key on the remocon.
- A Adjust the waveform to 1.6 $\pm$ 0.05MHz, pressing the tracking (CH) up and down key on the remocon.

#### Y/C BOARD Solder Side



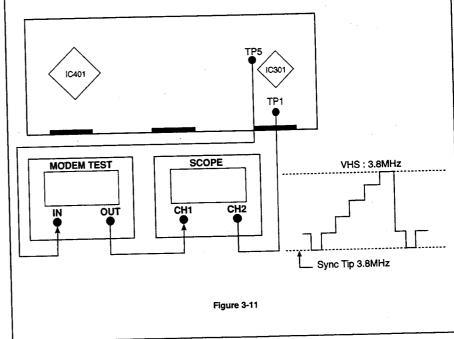
# ELECTRICAL ADJUSTMENT PROCEDURES

## 11. VHS Carrier Adjustment

 $\bigstar$  The Input signal for this adjustment is based on the SCART1(100% COLOR BAR).

MODE	TEST POINT	DIGITRON NO.	SPECIFICATION	TEST EQUIPMENT
E-E VHS	TP5	05	3.8 ± 0.05MHz	MODEM TEST
V113	1	1	<u> </u>	

- ① Connect the Modern Test to the TP5 as shown below.
- ② To display the Jig Mode on the digitron, press the OK key on the remocon and the REC key on the VCR at the same time.
- 3 To display the number of 05 on the digitron, press the right or left key on the remocon.
- 4 Adjust the waveform to 3.8  $\pm$  0.05MHz, pressing the tracking (CH) up and down key on the remocon.



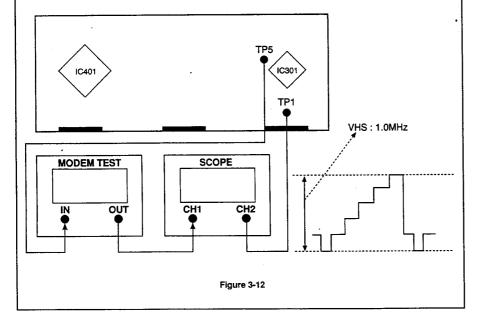
#### 12. VHS Deviation Adjustment

★ The Input signal for this adjustment is based on the SCART1(100% COLOR BAR).

MODE	TEST POINT	DIGITRON NO.	SPECIFICATION	TEST EQUIPMENT
E-E VHS	TP5	06	1.0 ± 0.05MHz	MODEM TEST

- ( ) Connect the Modern Test to the TP5 as shown below.
- ② To display the Jig Mode on the digitron, press the OK key on the remocon and the REC key on the VCR at the same time.
- 3 To display the number of 06 on the digitron, press the right or left key on the remocon.
- A Adjust the waveform to 1.0  $\pm$  0.05MHz, pressing the tracking (CH) up and down key on the remocon.

#### Y/C BOARD Solder Side



#### ELECTRICAL ADJUSTMENT PROCEDURES

#### 13. Servo Adjustment

#### 1) PG Adjustment

#### TEST EQUIPMENT

a) OSCILLOSCOPE

b) PAL TEST TAPE (VHS SP)

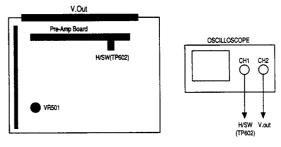
#### ADJUSTMENT AND SPECIFICATION

MODE	MEASUREMENT POINT	ADJUSTMENT POINT	SPECIFICATION
PLAY	V.Out H/SW(TP602)	VR501	7.5 ± 0.5H

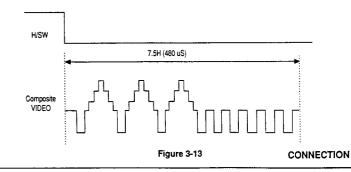
#### ADJUSTMENT PROCEDURE

- a) Insert the PAL SP Test Tape and play. Note - Adjust the distance of X, pressing the Tracking(+) or Tracking(-) when the "ATR" is blink after the PAL SP Test Tape is inserted.
- b) Connect the CH1 of the oscilloscope to the H.SW (TP602) and CH2 to the Video Out for the VCR.
- c) Trigger the mixed Video Signal of CH2 to the CH1 H.SW, and then check the distance (time difference), which is from the selected A(B) Head point of the H.SW signal to the starting point of the vertical synchronized signal, to 7.5H (480uS, 1H=64uS)

#### CONNECTION



#### WAVEFORM



#### 14. Audio Adjustment

#### 1. Normal Audio Rec Bias Adjustment

#### • TEST EQUIPMENT

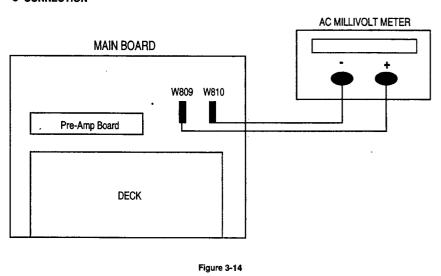
- a) LEVEL METER
- b) RECORD TAPE

#### ADJUSTMENT or SPECIFICATION

MODE	MEASUREMENT POINT	ADJUSTMENT POINT	SPECIFICATION
REC	W809 W810	VR801	3.0mV ± 0.1mV
	Wald		

- a. Connect the AC Millivolt Meter to the W809 and W810 in the record mode without signal.
- b. Adjust the voltage to  $3.0\pm0.1$  mVrms with VR801 at this time.

#### CONNECTION



# **ELECTRICAL ADJUSTMENT PROCEDURES**

## 15. Stereo Separation Adjustment

#### 1) Normal Audio Bias Adjustment

#### • TEST EQUIPMENT

a) OSCILLOSCOPE

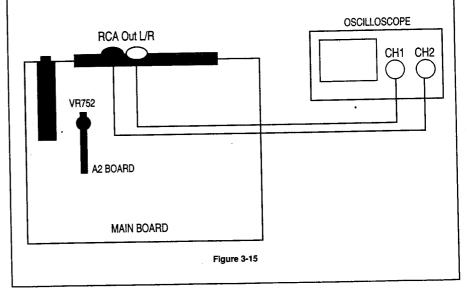
#### ADJUSTMENT AND SPECIFICATION

MODE	MEASUREMENT POINT	ADJUSTMENT POINT	SPECIFICATION
CH09 Central Signal Stereo Mode	RCA Out L/R	VR752	Adjust the Audio Level for RCA Out L CH to 10mV~20mV the VR752.

#### ADJUSTMENT PROCEDURE

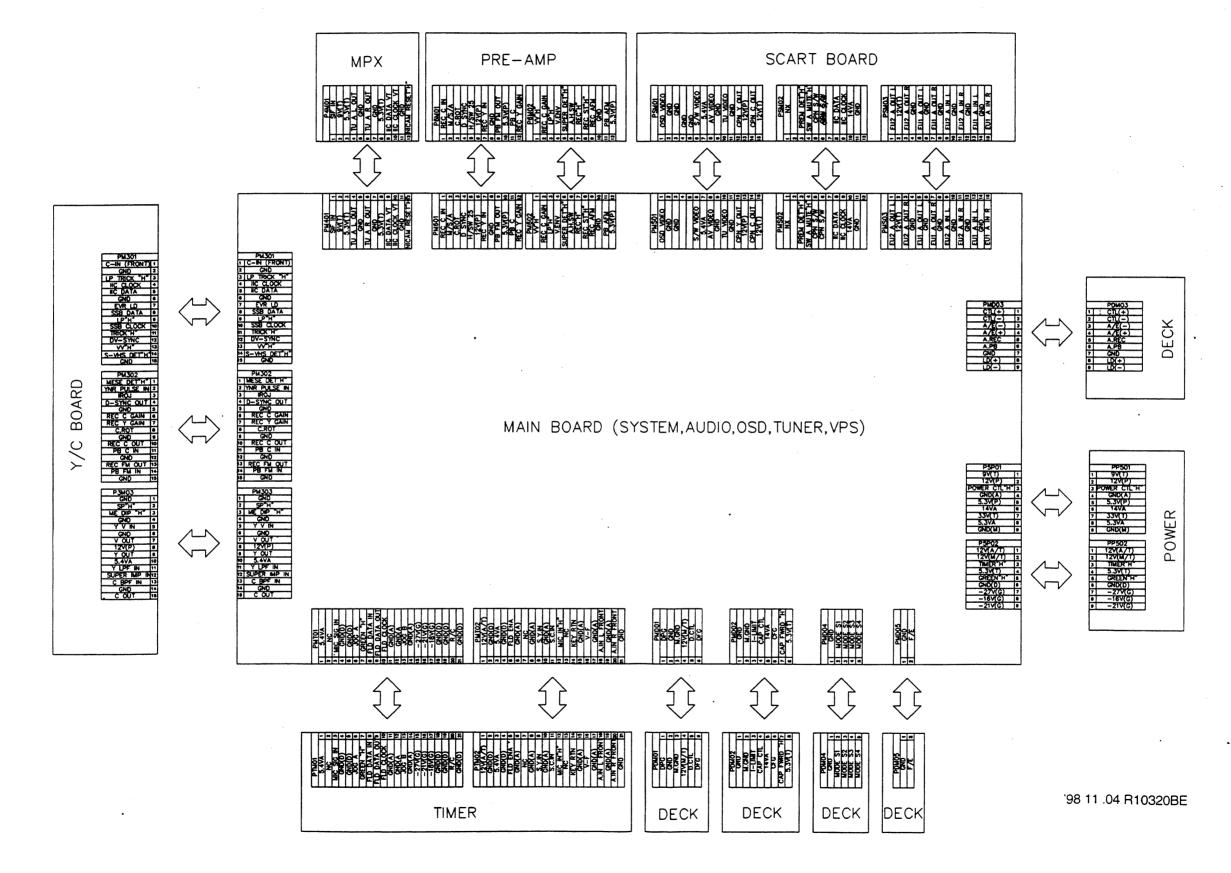
- a. Receive the Stereo Mode from the CH09 central signal.
- b. Connect the RCA Out L/R to the oscilloscope.
- c. Adjust the signal value of the L CH(RCA Out) to within the range of 10mV-20mV with the VR752.

#### CONNECTION

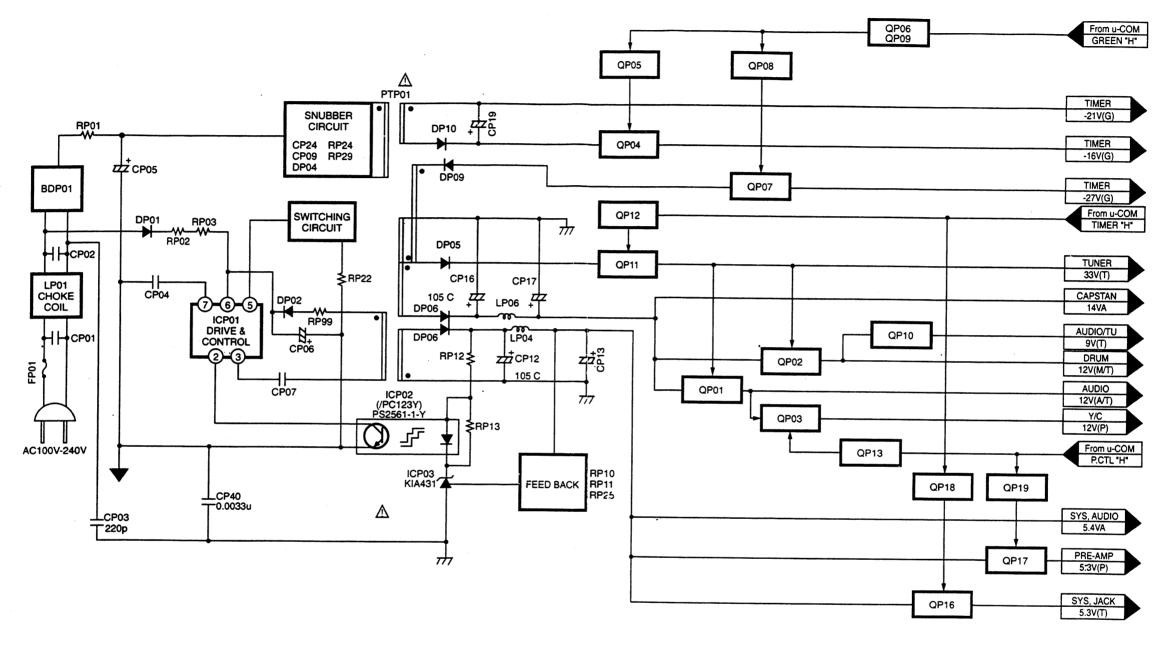


# **BLOCK & CIRCUIT DIAGRAMS**

# 1. Overall Wiring Diagram



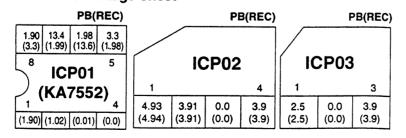
# 2. Power (SMPS) Block Diagram



## **★ POWER TR Voltage Sheet**

Port	Emitter		Colk	Collector		Base		
TR No.	PB	REC	PB	PB REC		REC		
QP01	12.12	12.12	13.73	13.73	13.25	13.25		
QP02	12.11	12.11	13.73	13.73	13.24	13.24		
QP03	12.01	12.01	12.01	12.01	11.32	11.32		
QP04	-15.7	-15.7	-15.6	-15.6	-15.0	-15.0		
QP05	5.3	5.3	5.2	5.2	0.0	0.0		
QP06	0.0	0.0	0.0	0.0	3.9	3.9		
QP07	-28.8	-28.8	-28.1	-28.1	-28.7	-28.7		
QP08	5.3	5.3	5.2	5.2	0	0		
QP09	0.0	0.0	3.9	3.9	0.0	0.0		
QP10	9.31	9.31	12.1	12.1	9.93	9.93		
QP11	35.2	35.2	35.1	35.1	34.5	34.5		
QP12	0.0	0.0	0.0	0.0	0.7	0.7		
QP13	0.0	0.0	0.0	0.0	0.7	0.7		
QP16	5.3	5.3	5.2	5.2	4.5	4.5		
QP17	5.31	5.31	5.29	5.29	4.57	4.57		
QP18	0.0	0.0	0.0	0.0	0.73	0.73		
QP19	0.0	0.0	0.0	0.0	0.73	0.73		

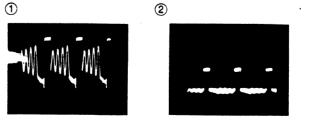
**★ POWER IC Voltage Sheet** 

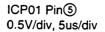


**★ POWER Oscilloscope Waveform** 

0.5V/div, 5us/div

. 3



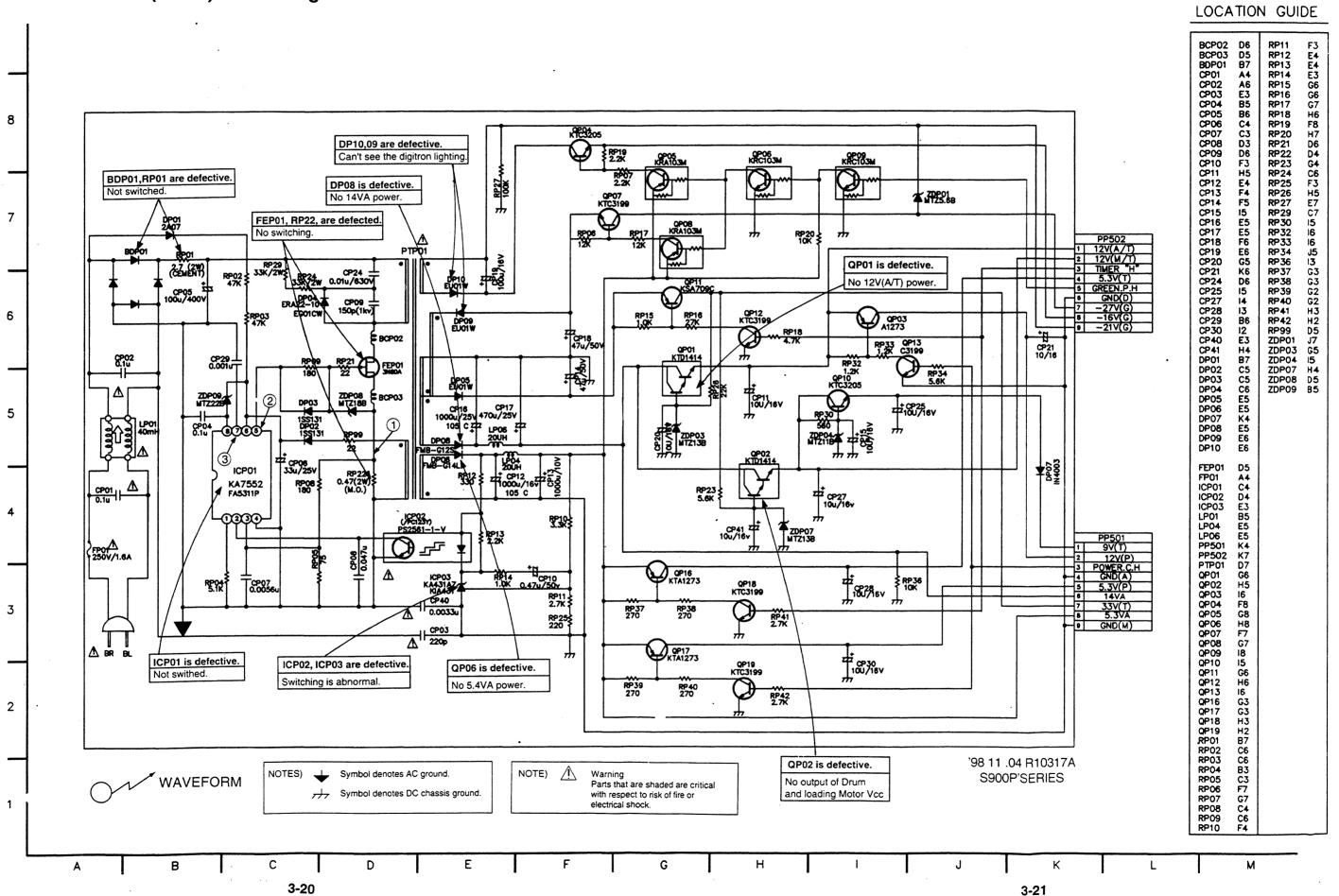


'98 11 .04 R10317BA

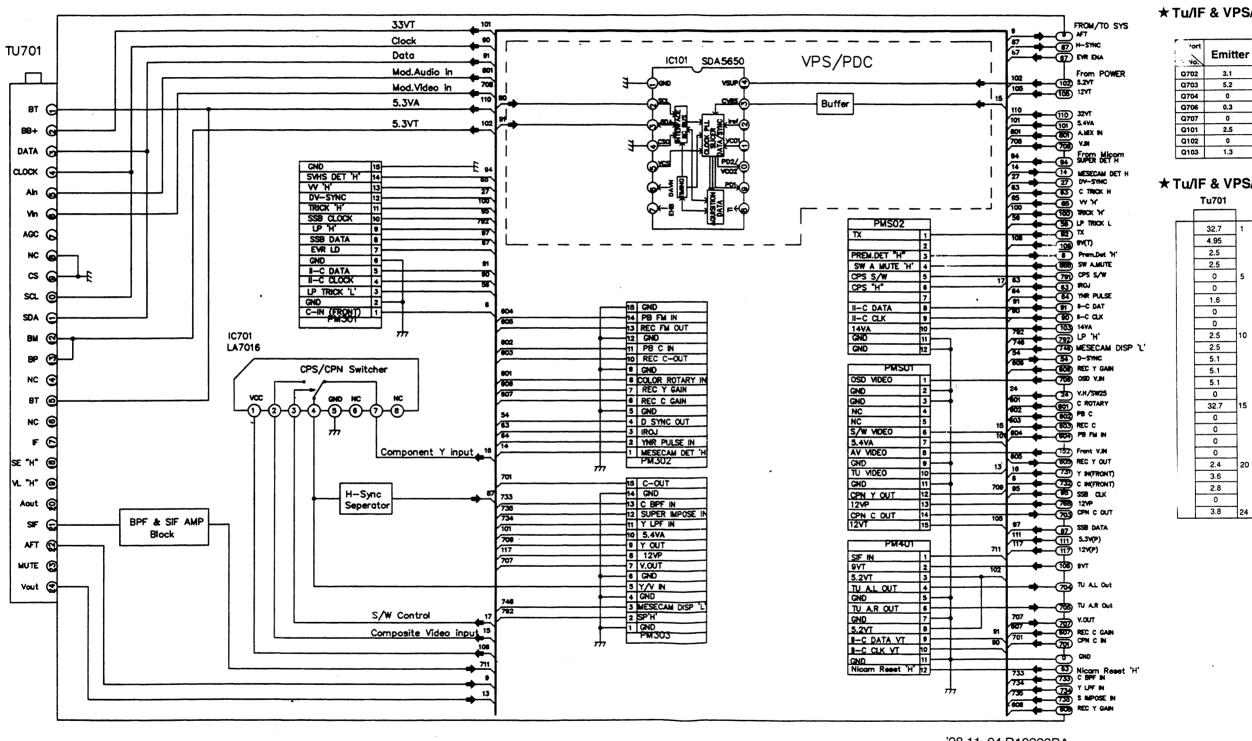
ICP01 Pin⑦ 50V/div, 50us/div

3-18

## 2. Power (SMPS) Circuit Diagram



## 3. Tuner/IF & VPS/PDC Block Diagram



**★ Tu/IF & VPS/PDC TR Voltage Sheet** 

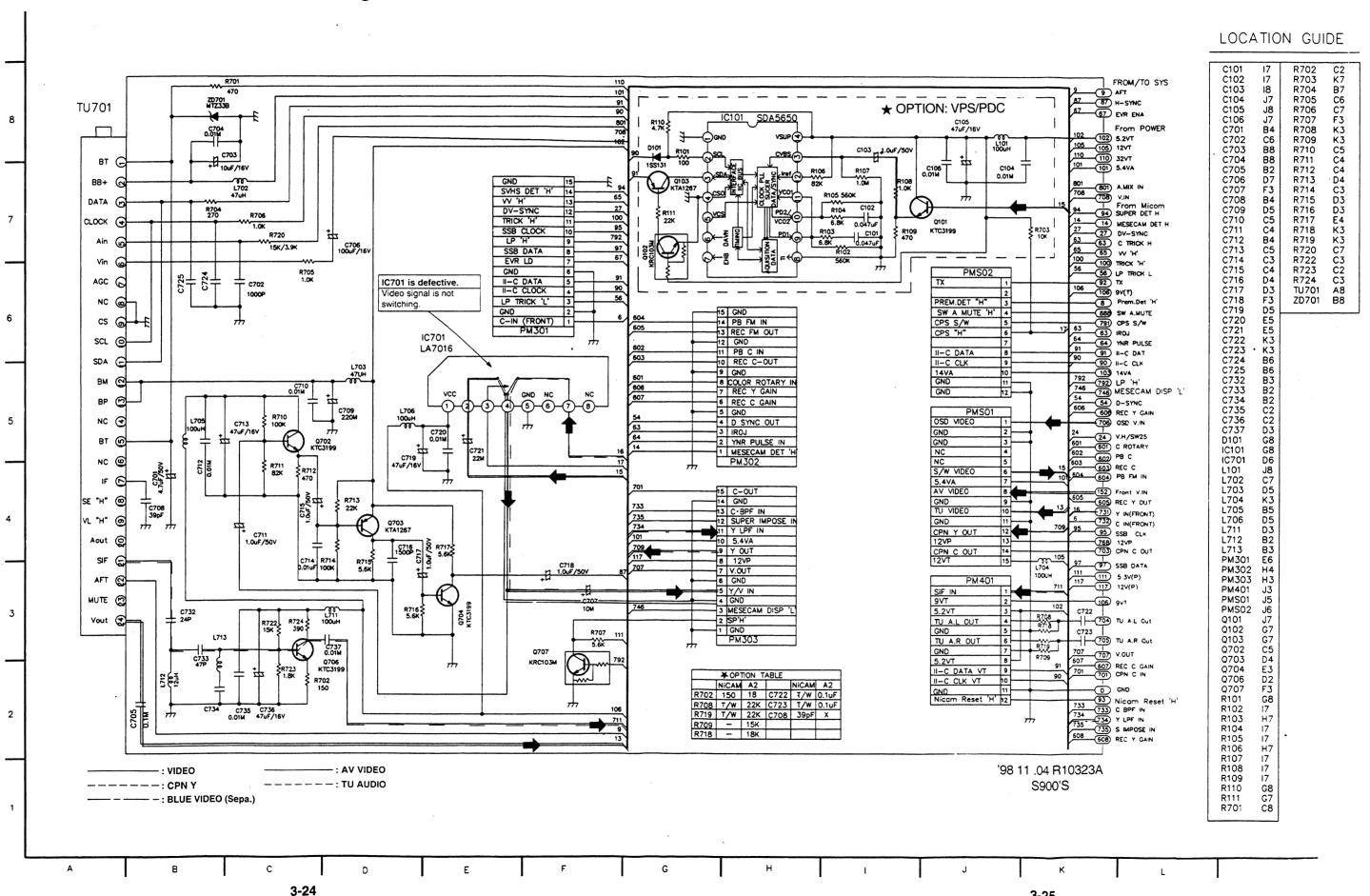
			(EE MODE)
ort vo.	Emitter	Base	Collector
Q702	3.1	3.7	3.5
Q703	5.2	5.0	3.5
Q704	0	0	2.5
Q706	0.3	1	3.4
Q707	0	0	4.0
Q101	2.5	2.5	2.5
Q102	0	5.2	0
Q103	1.3	1,8	5.2

## **★ Tu/IF & VPS/PDC IC Voltage Sheet**

14 5.2 0 2.7 1.5 2.7 1.6 IC101 2.5 0 10 2.6 2.6 5 2.6 2.5 0 2.6

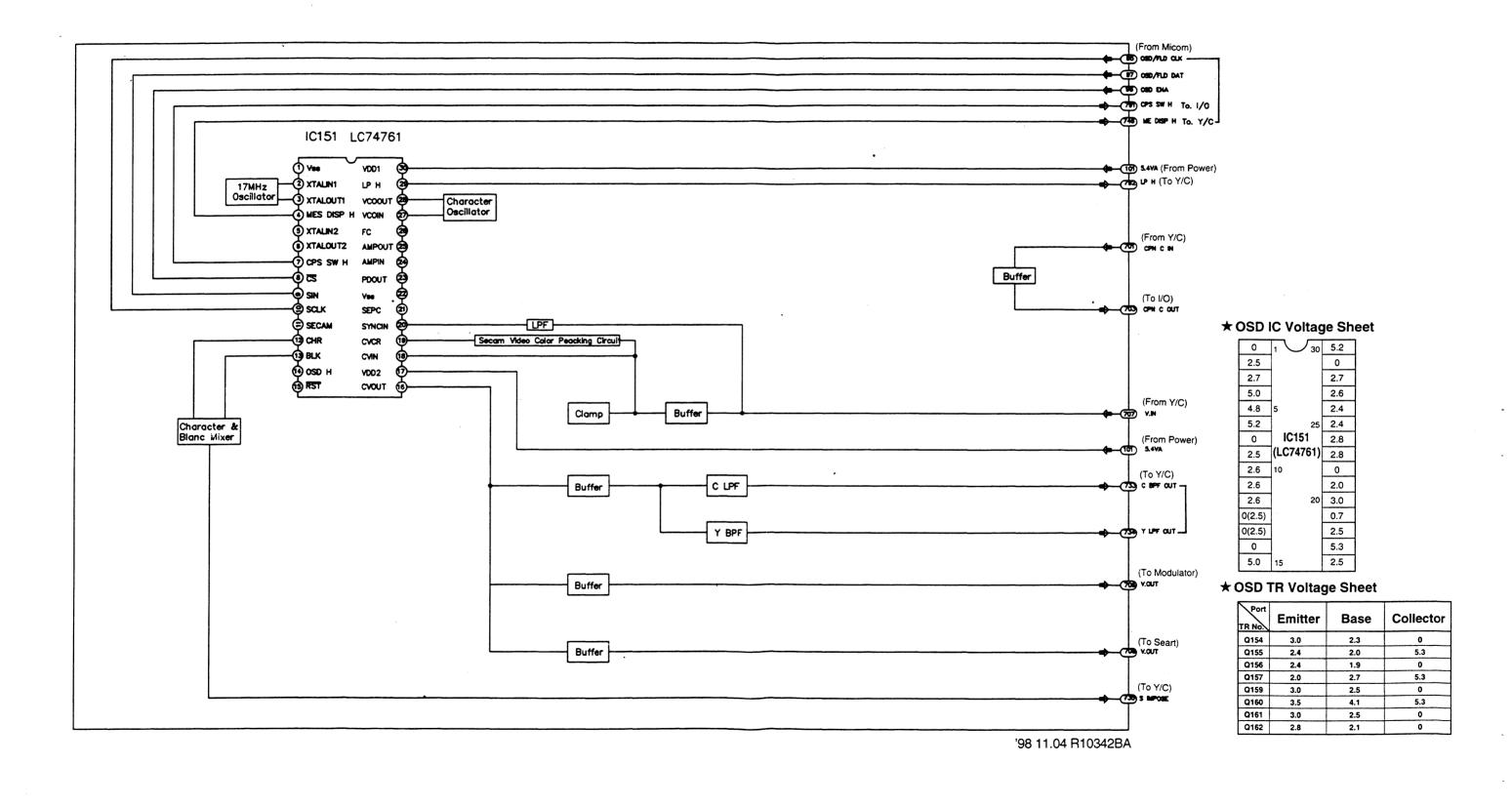
'98 11 .04 R10323BA

## 3. Tuner/IF & VPS/PDC Circuit Diagram



3-25

## 4. OSD Block Diagram



LOCATION GUIDE 4. OSD Circuit Diagram 38) 020/⊾m crx− 96) OSD ENA --IC151 LC74761 799) CPS SW H (To Scart) 792) LP H (To Y/C) L151 100UH VDD1 5.4VA — \*\* 111 5.2VP — \*\* (From Power) 2 XTALINI £ L153 ③ XTALOUTI VCOOUT MES DISP H VCOIN 47u/16\ ③ XTALIN2 C174 0.01M ⑥ XTALOUT2 R163 2.2K ⑦ cps sw н ₹R161 ₹1.0K R173 R157 1.5K C182 12P L158 **®** ८इ PDOUT R180 1.0K C155 0.0068u (To Y/C) **⊚** sin Vss 1.0K Q157 KTC3199 (®) scux SEPC R156 R155 (E) SECAM SYNCIN C160 W 560p 1.0K (12) CHR CVCR L157 R175 1.0K (13) BLK CVIN ® oso н VDD2 L152 100UH R154 (S) RST CVOUT 100 物 CPN C IN ノ C168 Q154 KTA1267 1.0u/50V 47u/16V 100UH 12V(P) C151 C166 C181 100P 100P 1000P C162 0.01M Q159, Q161 are defective. R169 470 Modulator Eu1 video is not appear. Q162 KTA1267 X151 is defective. C171 47u/16V C176 47M Blue video signal is not appear. C172 (To Modulator) Q156 KTA1267 R168 D152 KTA1267 100uF/16V R167 100K 155131 (To Scart) Q151 8.2K R171 R172 R173 R174 R175 R176 R179 R180 R184 R186 R187 R189 R179 3.3K '98 11.04 R10342A ----: VIDEO S900'S -: Blue VIDEO (sepa.)

3-29

В

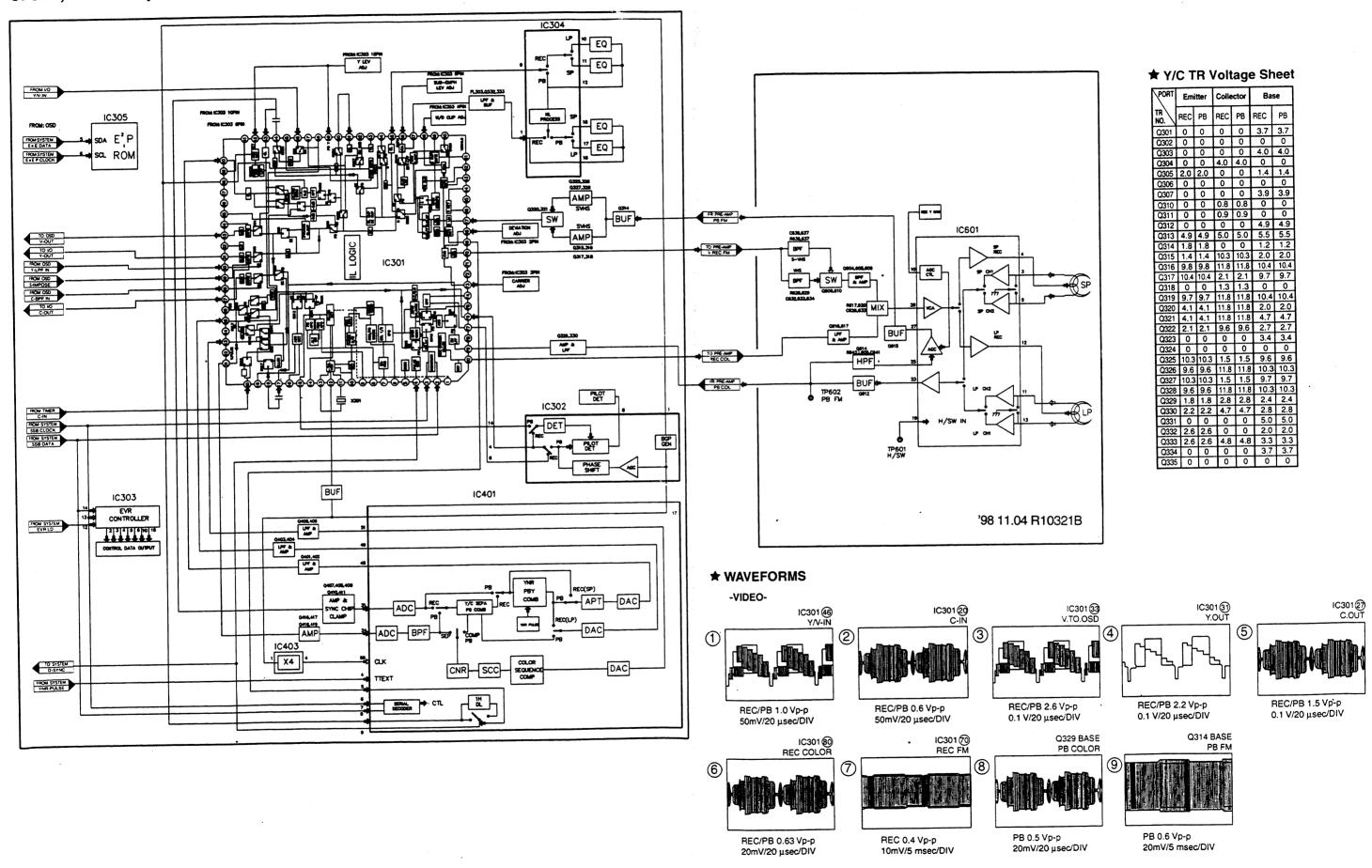
3-28

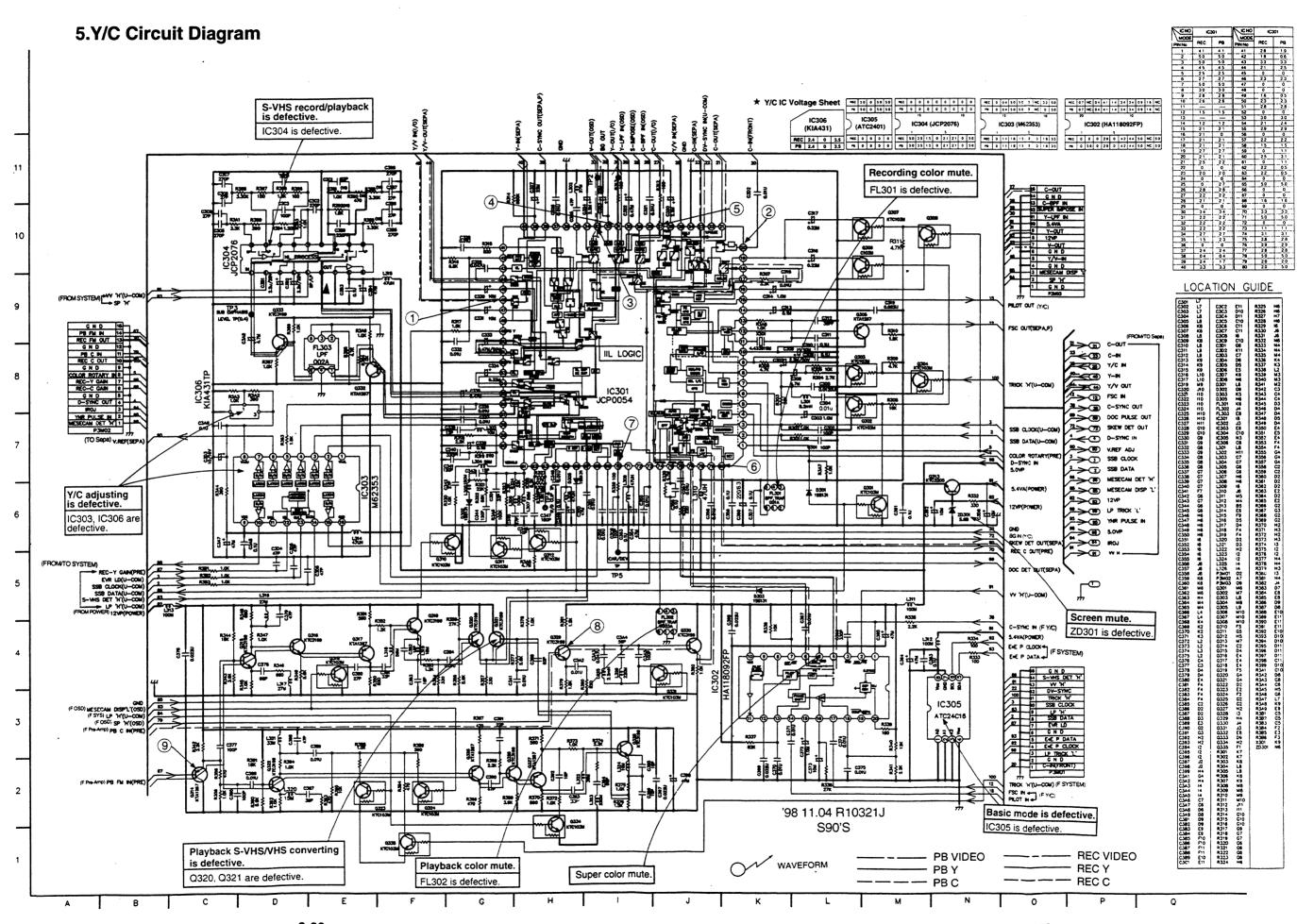
2

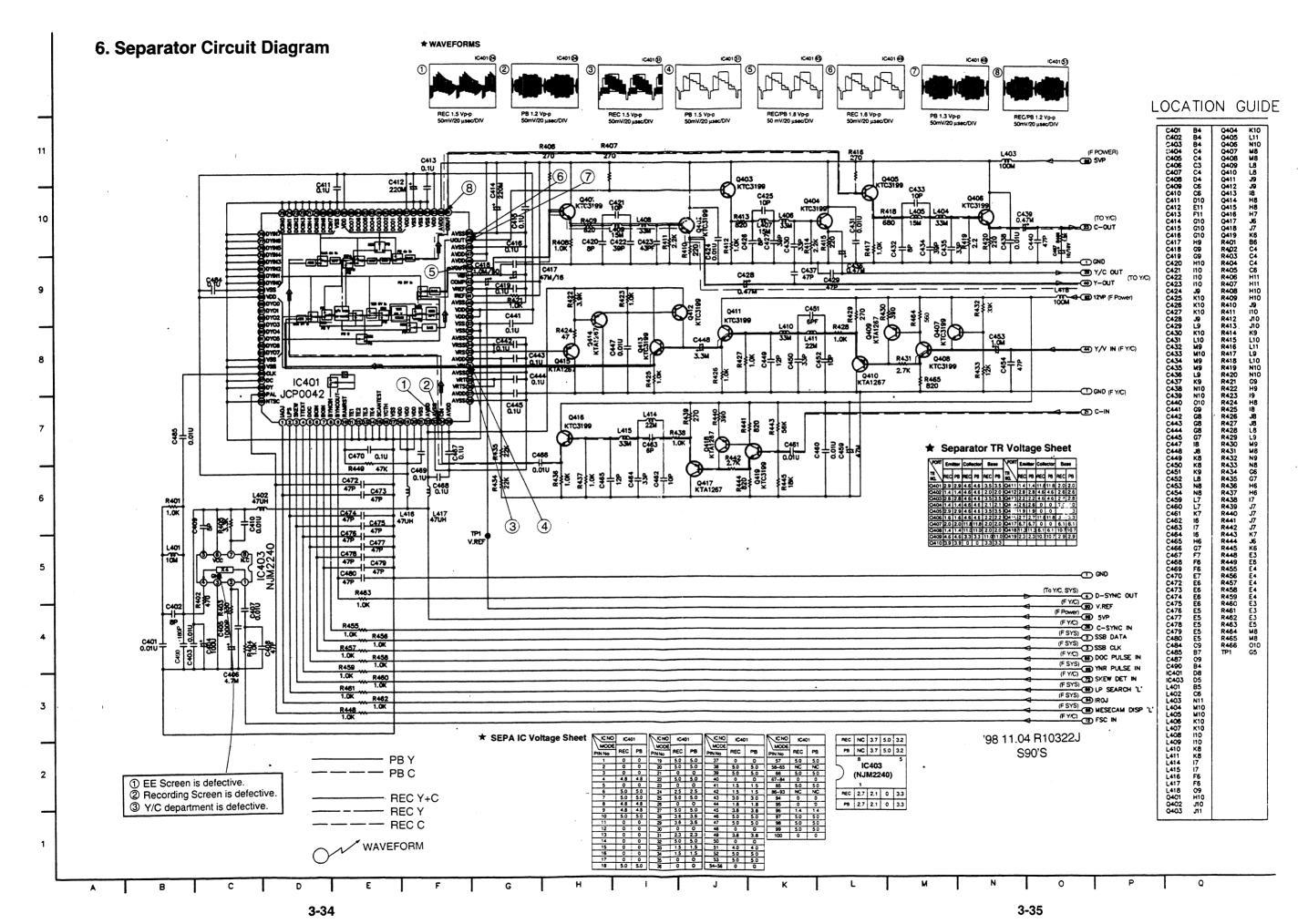
8

6

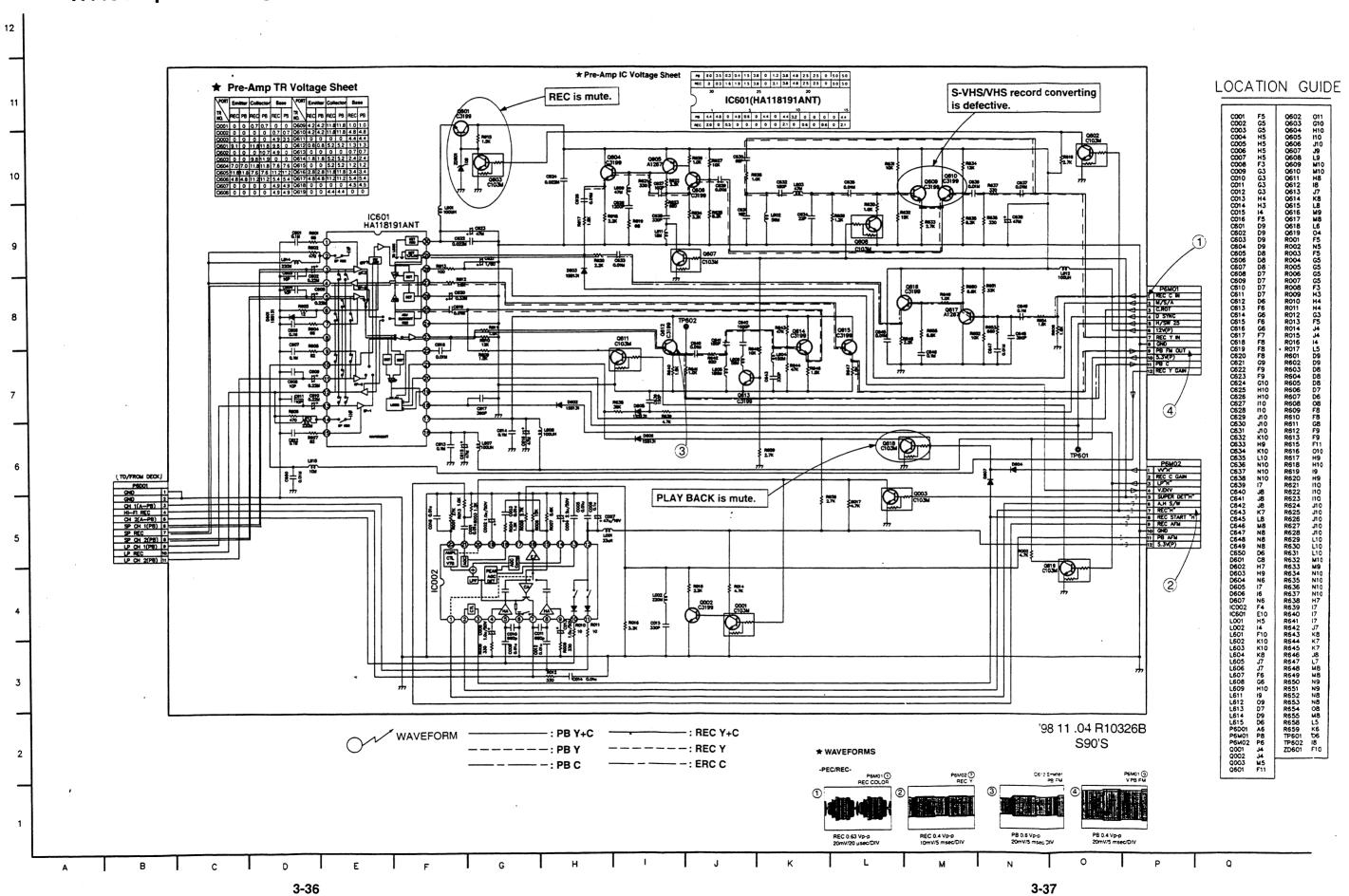
# 5. 6. 7, Y/C // Separator // Pre-Amp Block Diagram



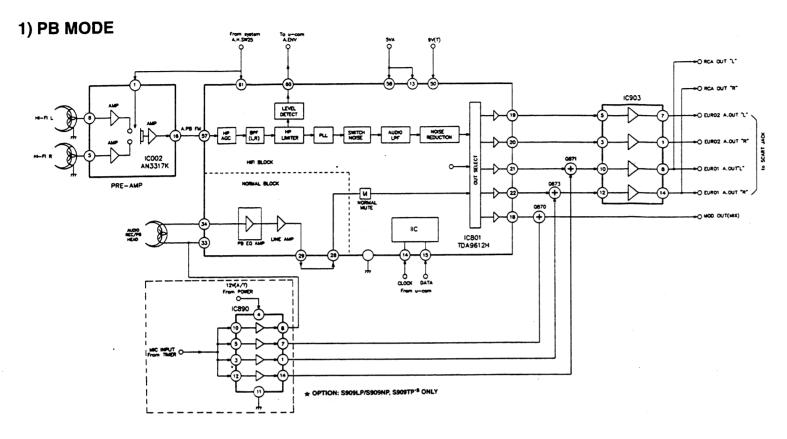


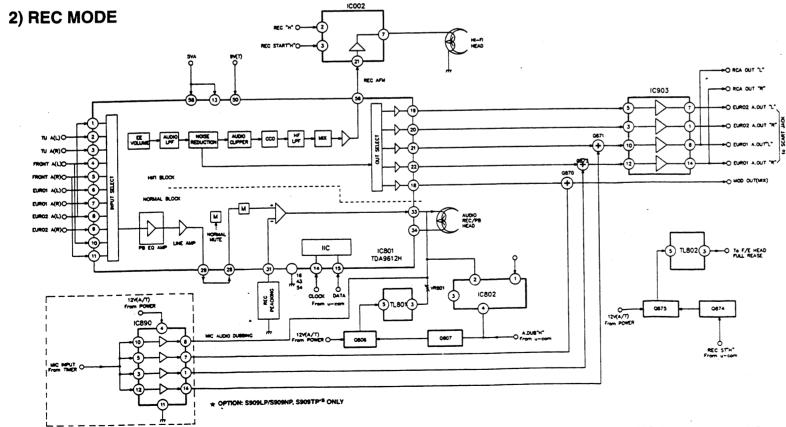


## 7. Pre-Amp Circuit Diagram



# 8. Hi-Fi Block Diagram





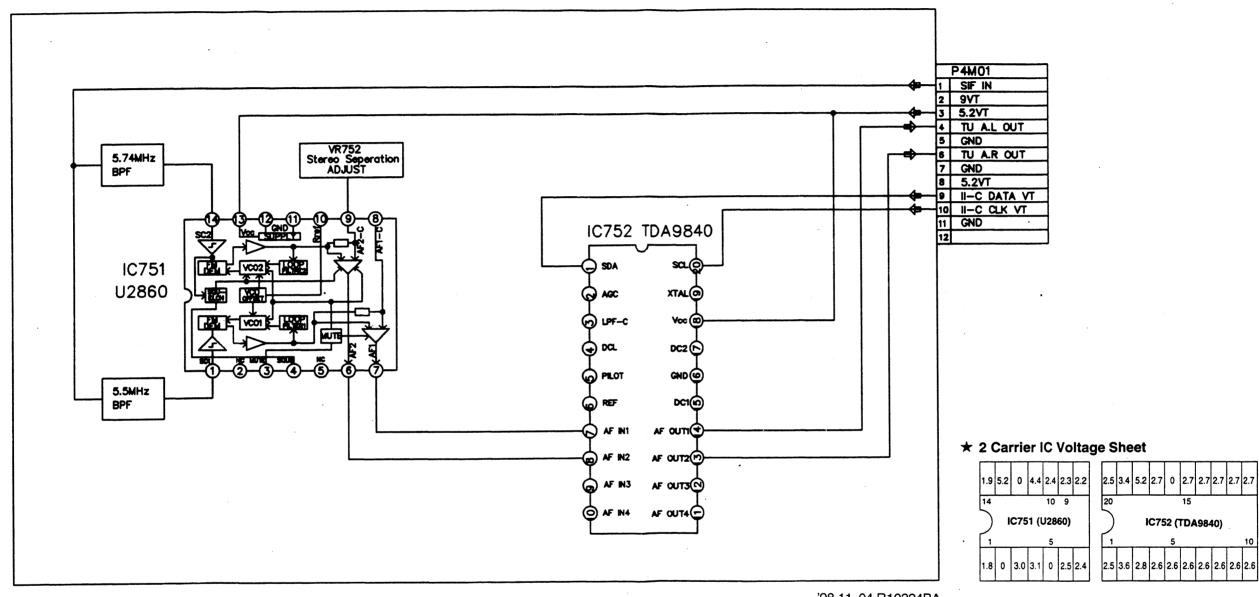
# ★ Hi-Fi TR Voltage Sheet

Port				
TR No.	Emitter (REC)	Base (REC)	Collector (REC)	
Q801	0.0(0.0)	4.2(4.2)	0.0(0.0)	
Q802	0.0(0.0)	0.0(0.0)	0.0(0.0)	
Q803	0.0(0.0)	0.7(0.7)	0.0(0.0)	
Q804	5.1(5.1)	4.4(4.4)	5.1(5.1)	
Q805	0.0(0.0)	5.0(5.0)	0.0(0.0)	
Q806	12.0(12.0)	12.0(11.2)	0.0(12.0)	
Q807	0.0(0)	0.0(5.0)	12.0(0)	
Q808	0.0(0.2)	0.0(0.2)	0.0(10.8)	
Q809	0.0(0.0)	0.7(0.7)	0.0(0.0)	
Q870	0.9(0.9)	1.4(1.4)	6.0(6.0)	
Q871	1.3(1.3)	1.9(1.9)	10.2(10.2)	
Q873	1.3(1.3)	10.2(10.2)	10.2(10.2)	
Q874	0.0(0.0)	0.0(5.0)	12.0(0.0)	
Q875	12.0(12.0)	12.0(11.2)	0(12.0)	
Q876	0.0(0.2)	0.0(0.2)	0.0(10.8)	

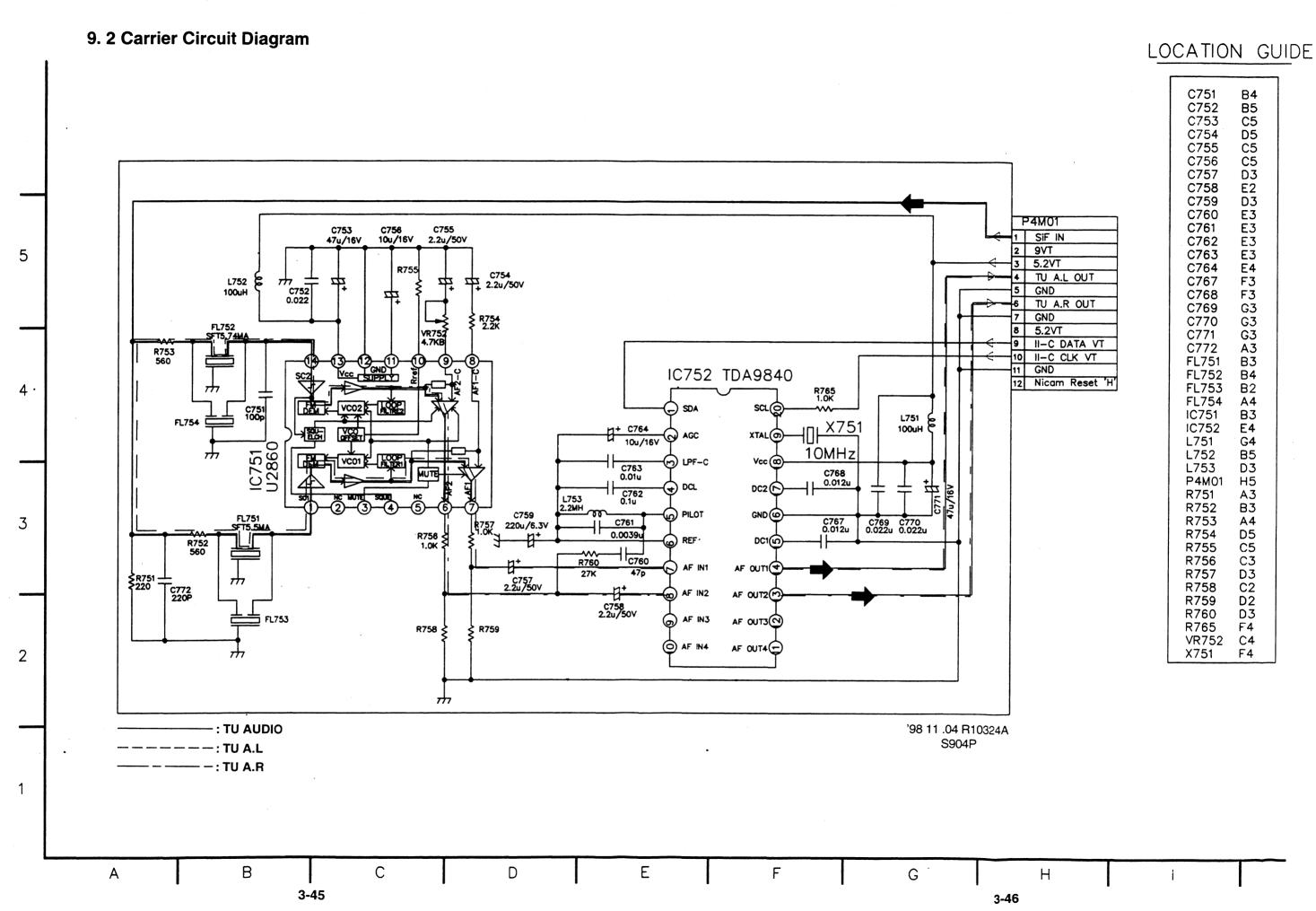
'98 11 .04 R10320BC

#### 8. Hi-Fi Circuit Diagram REC BIAS TEST POINT IC802 is defective. Q874, Q875 are defective. MONO Audio dosn't apper. Full Erase OSC dosn't apper. LOCATION GUIDE 0803 0803 0804 0805 0806 0806 0807 0808 0871 0873 0874 0875 0876 0876 0877 0876 0877 0878 0878 08814 08814 08814 08814 08814 08816 08814 08816 08816 08816 08817 08816 08816 08817 08817 08818 08816 08817 08818 08817 08818 0 110 055. (w) 10 REC C GAIN 5.2V(P)(+)-REC ST "H 79-LP"H" (9)-R825 SUPPLY & VREF IREF NOISE REC"H" (62)-SVHS DET"H 4 REDUCTION \_\_\_\_\_\_ 00C <u>↔</u> R826 8.2K PLL ₹814 3.3M C849 0.022u C851 0.01 USB 1.7MHZ 1.8MHZ PLL NOISE REDUCTION TDA9612H 0805 C103M 9 -21v(C) -03 -21v(G) -16v(G) -27v(G) R809 R808 TU A.IN(ROOS R832 4.7K M R842 10M 100 \$R844 Q806, Q807 are defective. Can't REC Normal Audio. R885 6.8K R89.\$ IC890 KIA324P GRAS/W A.MUTE R882 120K R892 R894 82K 820 R877 77 R897 '98 11.04 R10320A Normal PB Hi-Fi PB ----- Normal REC ----- Hi-Fi REC

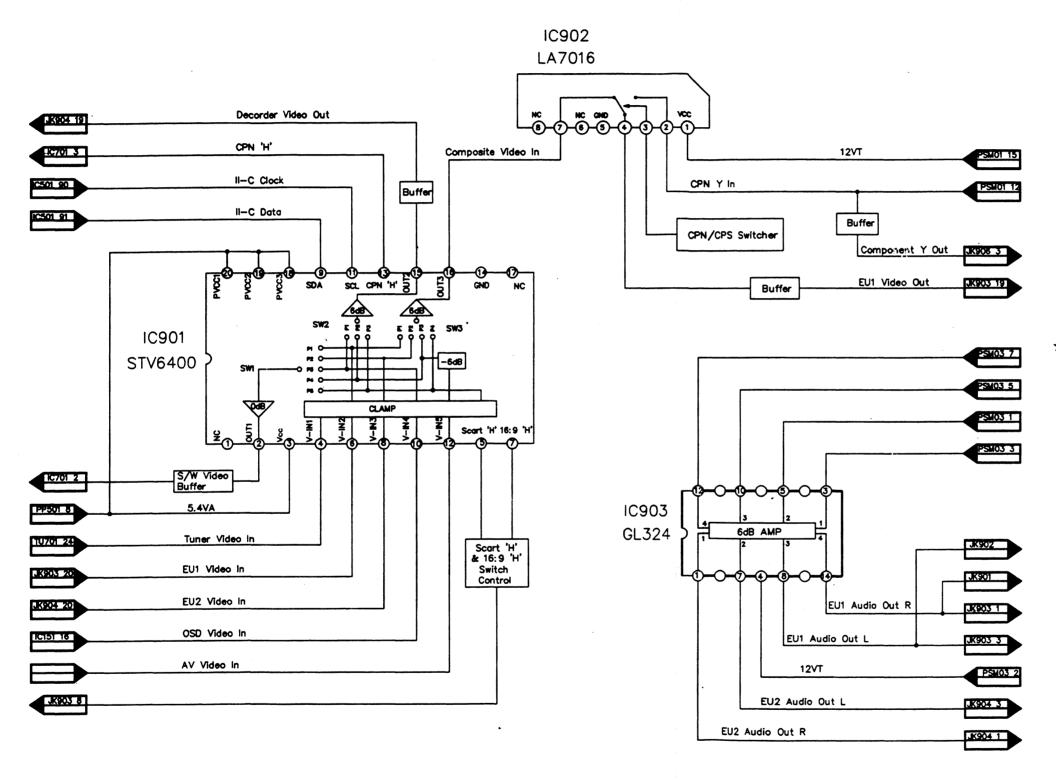
# 9. 2 Carrier Block Diagram



'98 11 .04 R10324BA



# 10. Premiere & Scart Block Diagram



## ★ Premiere & Scart IC Voltage Sheet

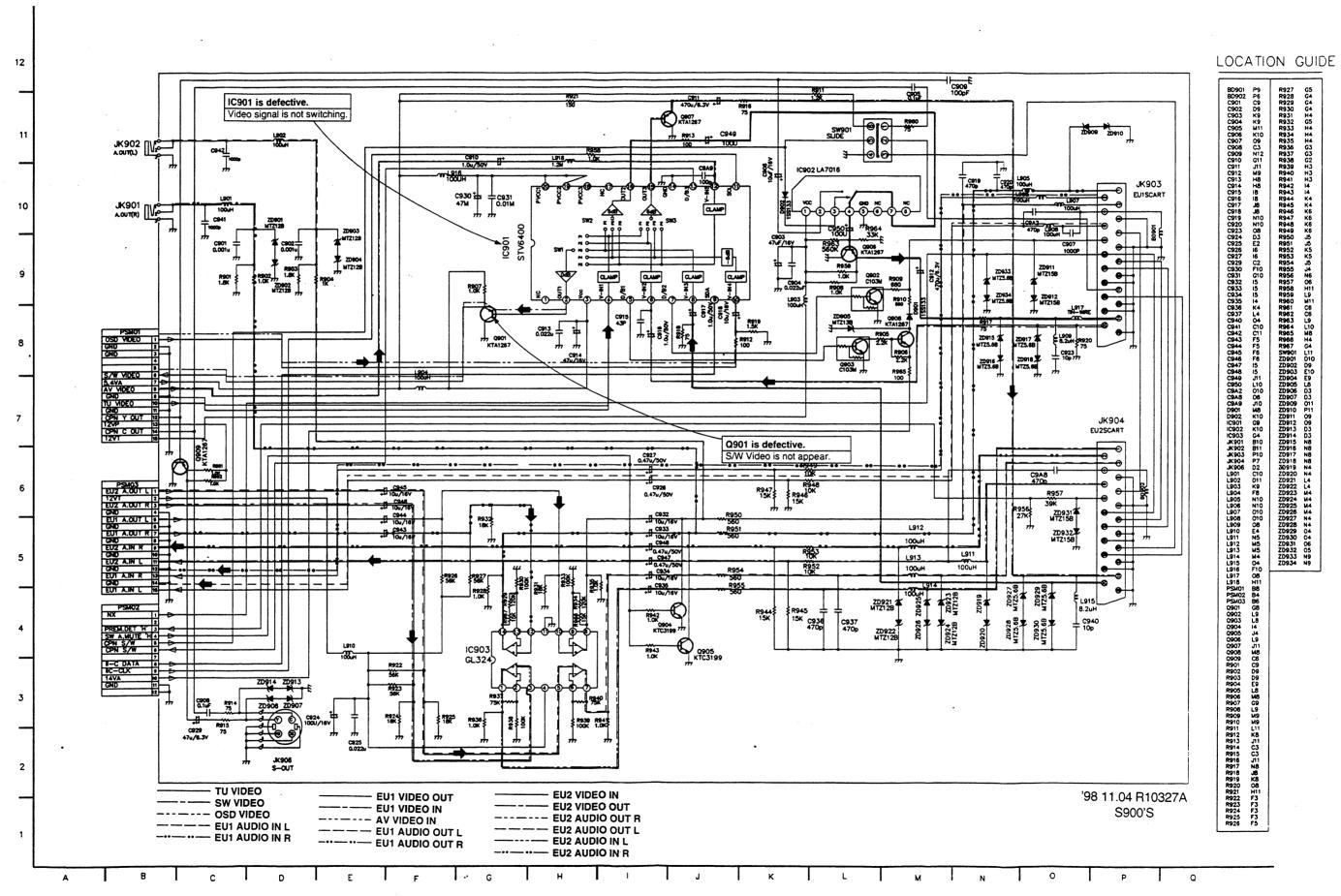
0	1 20	5.08			
1.17		5.08			
4.99	IC901	5.08			
1.81	(STV6400)	0	5.76	$  1 \bigcirc  $	6.83
2.52	5	1.62	2.9		2.88
1.42	15	1.62	2.9	IC903	2.8
0.022		0	11.84	(KA324)	0
1.42		5.03	2.89	5 10	2.9
4.3	10	1.42	2.9		2.9
2.2		4.66	5.78		6.85
				1	

## ★ Premiere & Scart TR Voltage Sheet

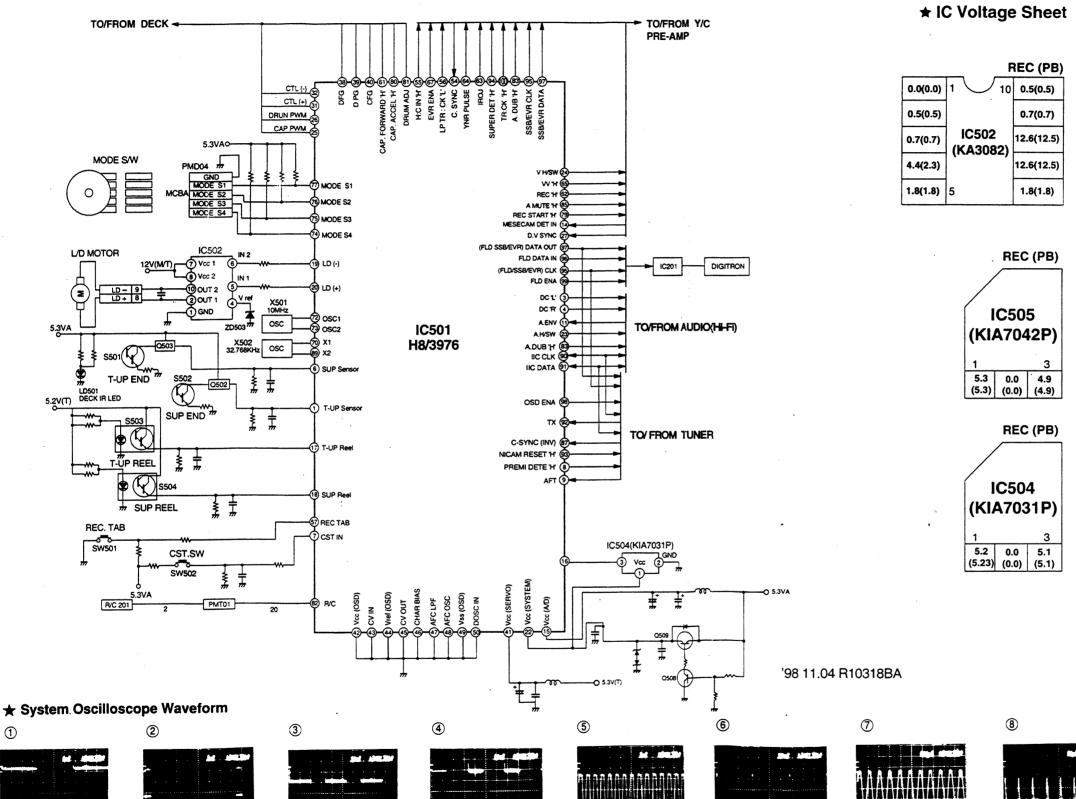
Port TR No.	Emitter	Base	Collector
Q901	1.3	1.2	0
Q902	0	0	11.8
Q903	0	2.6	0
Q904	0	0	0.2
Q905	0	0	0.2
Q906	3.6	3.0	0
Q907	2.2	1.6	0
Q908	11.8	11.0	11.7
Q909	2.6	2.0	0

'98 11 .04 R10327BA S900'S

## 10. Premiere & Scart Circuit Diagram



## 11. System Block Diagram



IC501 Pin 39

100mV/10µS

REC/PB

(DPG)

IC501 Pin 38

100mV/2mS

REC/PB

(DFG)

IC501 Pin 32

100mV/10mS

(CTL-)

IC501 Pin 40

100mV/500µS

REC/PB

(CFG)

• IC501

IC501

REC

PB

IC NO

MODE

PIN NO

#### 2 3 4 5 0.0 3.0 3.0 0.0 0.0 2.8 3.0 0.0 0.4 0.0 5.1 0.5 0.0 5.1 0.6 0.0 1.1 0.0 5.0 2.1 0.0 1.4 0.0 5.2 3.1 3.3 1.8 2.3 5.2 0.0 5.3 5.1 10 0.0 5.1 3.3 1.4 3.5 5.2 0.0 5.3 60 61 62 63 64 65 66 67 68 0.0 5.2 0.0 11 5.2 12 13 14 15 0.0 pulse pulse 2.2 4.2 5.2 5.1 17 → → 2.7 5.2 0.0 5.2 → → → → 0.0 pulse puise puise 0.0 pulse 1.5 0.9 0.0 2.5 2.3 1.6 19 5.2 69 70 71 72 73 74 5.2 0.0 5.2 20 21 22 23 24 25 0.9 0.0 2.5 2.5 4.9 75 76 77 78 79 80 81 82 83 84 85 86 1.7 26 27 28 29 30 31 32 33 34 1.9 pulse 3.1 5.2 0.0 0.0 0.0 2.8 2.3 0.0 0.0 2.8 2.3 0.0 2.7 2.3 2.3 2.3 → 0.0 0.0 0.0 0.0 2.7 1.2 2.7 1.3 → 0.0 pulse 0.0 0.0 35 36 37 2.4 0.0 87 88 2.3 pulse 5.1 38 39 40 41 42 43 44 45 pulse

IC NO

MODE

PIN NO

IC501

REC

PB

Port	Emitter		Colle	ctor	Base	
NO.	PB	REC	PB	REC	PB	REC
Q501	5.3	5.3	0.2	0.3	4.8	4.8
Q502	5.3	5.3	0.1	0.5	4.7	4.7
Q503	0.0	0.0	pulse	pulse	pulse	pulse
Q504	0.0	0.0	pulse	pulse	pulse	pulse
Q508	0.0	0.0	0.0	0.0	0.7	0.7
Q509	5.3	5.3	5.3	5.3	4.6	4.5

## **★ TR Voltage Sheet**

pulse

pulse

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

46 47

Zhou	Em	itter	Colle	ctor	Ra	se	
NO.	PB	REC	PB	REC	PB	REC	
Q501	5.3	5.3	0.2	0.3	4.8	4.8	
Q502	5.3	5.3	0.1	0.5	4.7	4.7	ı
Q503	0.0	0.0	puise	pulse	pulse	pulse	
Q504	0.0	0.0	pulse	pulse	pulse	pulse	
Q508	0.0	0.0	0.0	0.0	0.7	0.7	
Q509	5.3	5.3	5.3	5.3	4.6	4.5	
							•

94 95

98 99 100

2.5

0.0

0.0

3.0

pulse

pulse

pulse

0.0

pulse

pulse

pulse

pulse

IC501 Pin 54 1V/50µS REC/PB (C-SYNC NRMAC)

3-52

IC501 Pin 27

1V/2mS

QUE/REV

(D.V-SYNC)

IC501 Pin 31

PB

(CTL+)

100mV/10mS

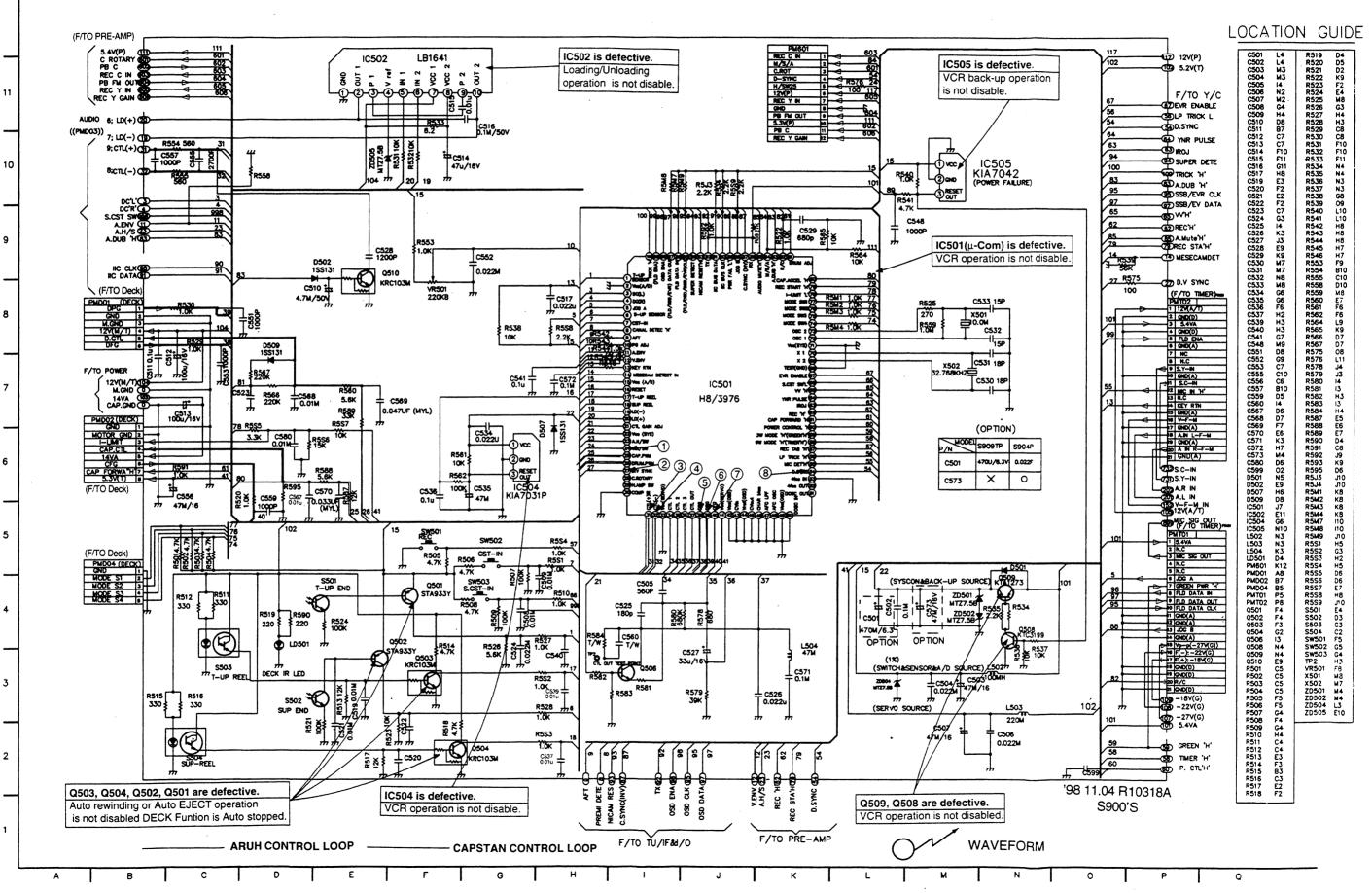
IC501 Pin 24

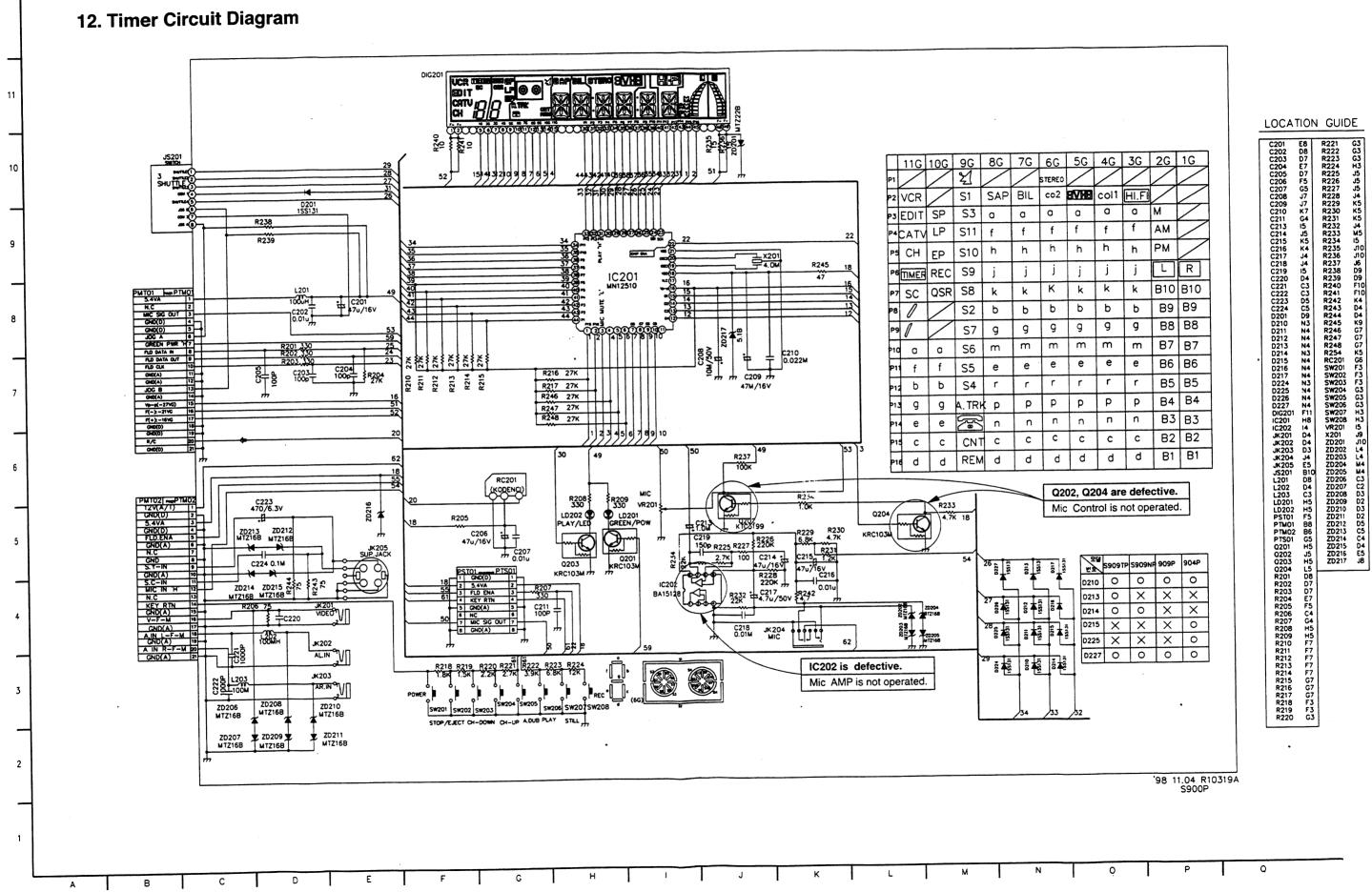
100mV/5ms

REC/PB

(V.H/SW)

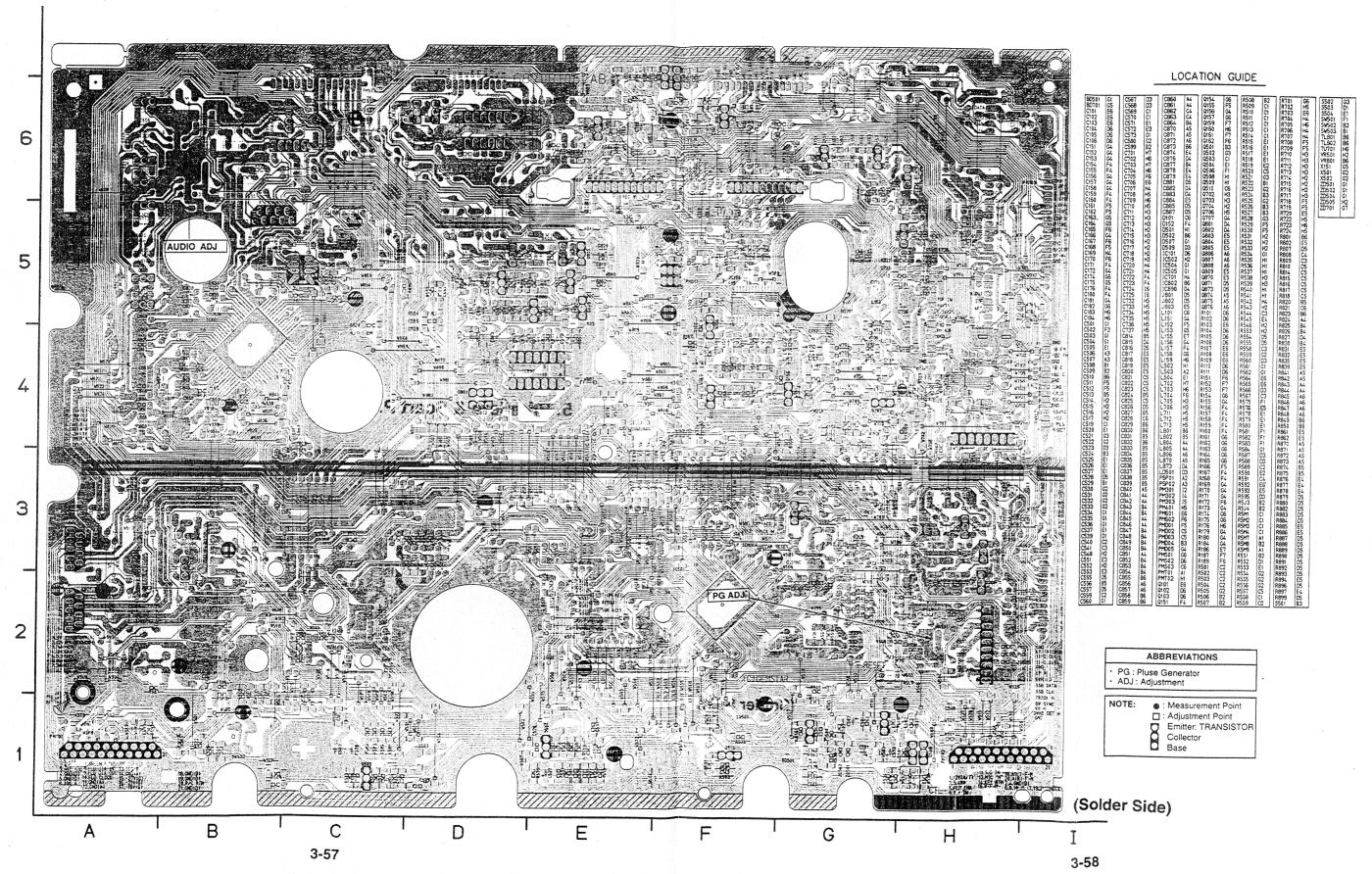
## 11. System Circuit Diagram



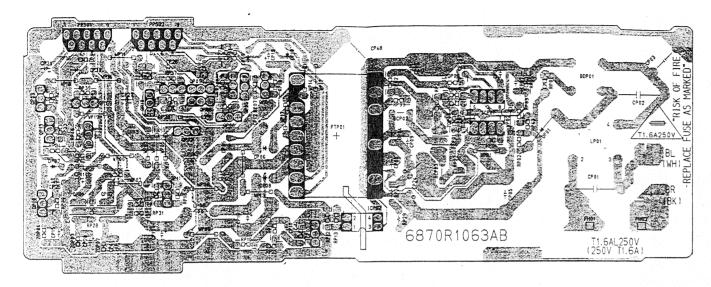


# PRINTED CIRCUIT BOARD DIAGRAMS

1. Main P.C.Board

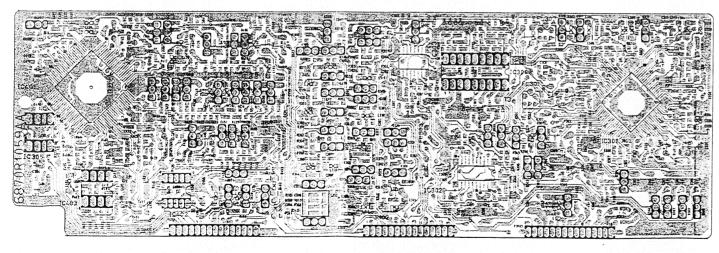


# 2. Power (SMPS) P.C.Board



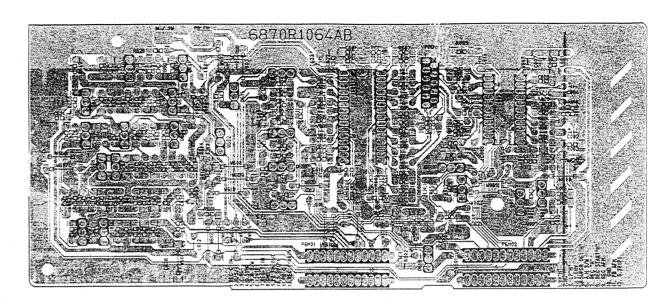
(Solder Side)

# 3. Y/C P.C.Board



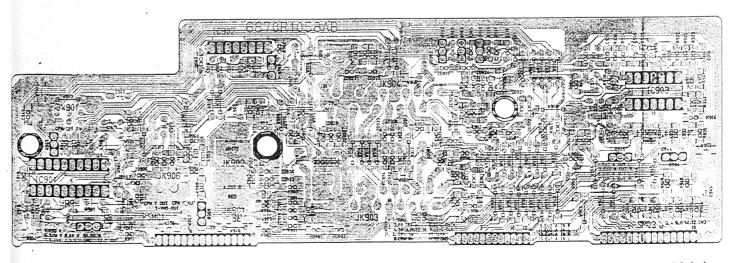
(Solder Side)

# 4. Pre-Amp P.C.Board



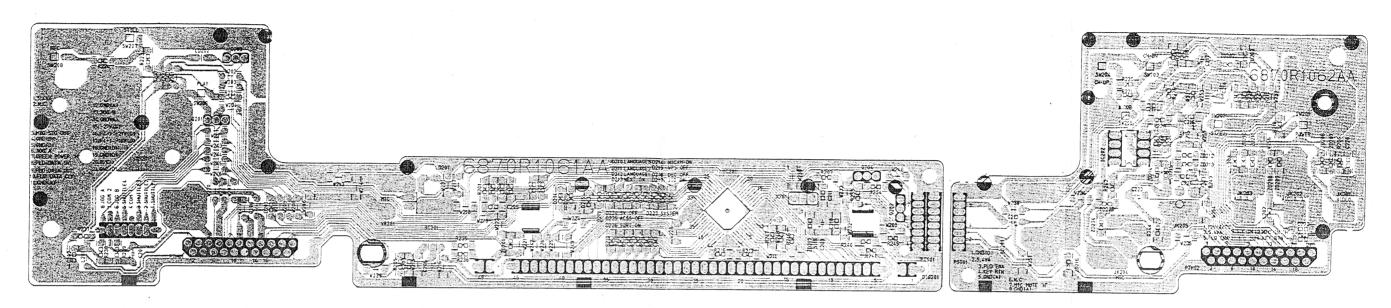
(Solder Side)

# 5. Premiere & Scart P.C.Board



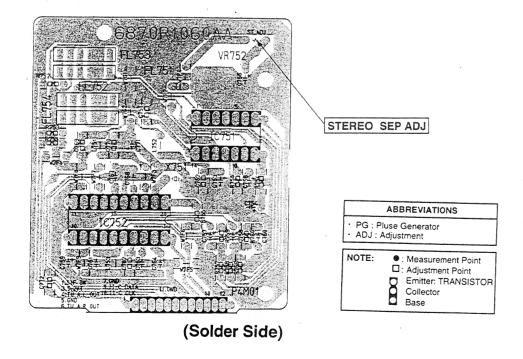
(Solder Side)

# 6. Timer P.C.Board



(Solder Side)

# 7. 2 Carrier P.C.Board



## FRONT LOADING MECHANISM DISASSEMBLY

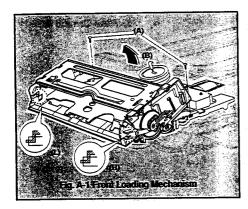
# 1. Front Loading Mechanism Assembly (Fig. A-1)

- 1) Remove the Top and Bottom Covers and Front Panel.
- 2) Remove two screws(A).
- 3) Lift up the Front Loading Mechanism Assembly in the direction of arrow(B).

#### NOTE

When disassembling and reassembling:

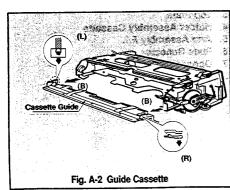
 Give special attention to removal and to reassembly because two tabs(L), (R) are engaged.



## 2. Guide Cassette (Fig. A-2)

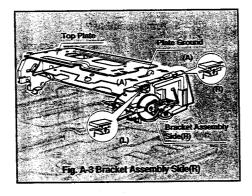
4-2

 Push tab(R) of the Cassette Guide and disengage with Bracket Side(R) and push tab(L) of the cassette Guide which is engaged with Bracket Side(L) and remove it in the direction of arrow (B).



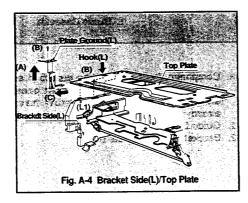
## 3. Bracket Assembly Side (R) (Fig. A-3)

 Push the tabs(L), (R) of Bracket Assembly Side(R) to disengage with the Top Plate and remove it in the direction of arrow(A).



## 4. Bracket Side(L)/Top Plate (Fig. A-4)

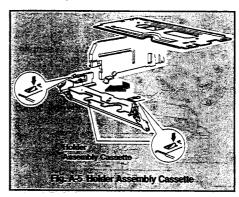
- 1) Remove the screw(B).
- Remove the plate Ground(L), in the direction of arrow(A).
- Push the locking tab(L1) and then remove the Bracket Side(L) in the direction of arrow(B).
- The Top Plate can be removed by Separating the Bracket Side(L).



## FRONT LOADING MECHANISM DISASSEMBLY

## 5. Holder Assembly Cassette (Fig. A-5)

- 1) Separate the Bracket Assembly Side(R).
- Push the two lever tabs(L), (R) down and separate the Holder Assembly Cassette and the Arm Assembly F/L from the Top Plate.

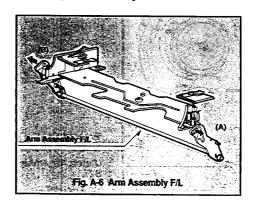


## 6. Arm Assembly F/L (Fig. A-6)

- Remove by pulling the Arm F/L(R) from the Bracket Holder(R) Boss in the direction of arrow(A).
- Separate the Arm Assembly F/L from Cassette Holder Boss in the direction of arrow(B).

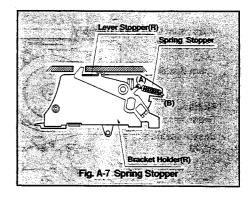
# NOTE :: When disassembling and reassembling:

① Be sure to remove the Arm F/L(R) first. If not the Arm Assembly F/L can be damaged.



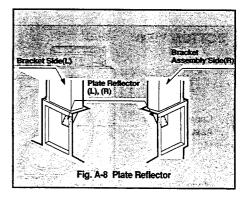
## 7. Spring Stopper (Fig. A-7)

 Remove the Spring Stopper which is connected to the tabs(A), (B) of the Lever Stopper(R) and the Bracket Holder(R).



## 8. Plate Reflector (Fig. A-8)

- Detach the Plate Reflector(L) from the Bracket Side(L) by using a knife.
- Detach the Plate Reflector(R) from the Bracket Assembly Side(R) by using a knife.



LG

## **SECTION 4 MECHANISM**

## **CONTENTS**

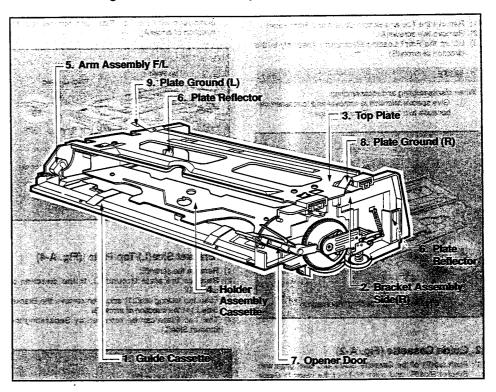
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## FRONT LOADING MECHANISM DISASSEMBLY

• Front Loading Mechanism Assembly, Parts Location

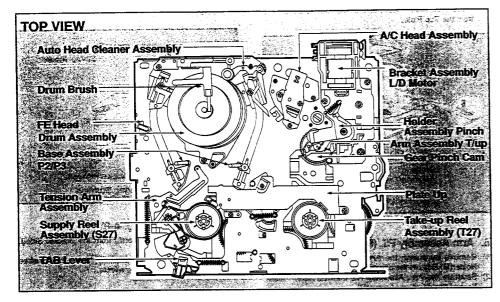


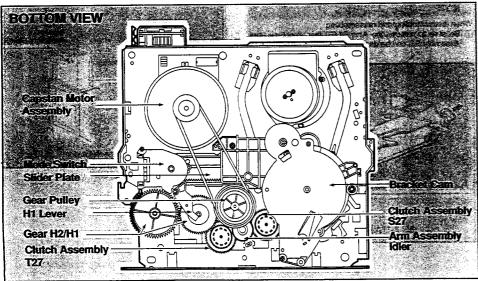
- \* Component list below will be discribed as if the top and bottom covers, front panel and deck mechanism assembly have already been removed.
- 1. Guide Cassette
- 2. Bracket Assembly Side (R)

- 3. Top Plate
- 4. Holder Assembly Cassette
- 5. Arm Assembly F/L
- 6. Plate Reflector
- 7. Opener Door
- 8. Plate Ground(R)
- 9. Plate Ground(L)

LG 4-1

#### Deck Mechanism Parts Location





## **DECK MECHANISM DISASSEMBLY**

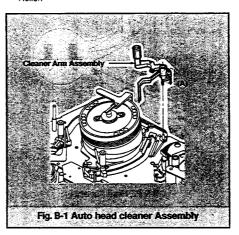
## Auto Head Cleaner Assembly (Fig. B-1) (Optional Item)

 Push the tab(A) of Auto Head Cleaner and remove the Cleaner Arm Assembly.

#### NOTES:

When disassembling and reassembling:

- ① Do not allow fingers or tools to touch the outside of the Drum.
- ② Be careful not to get any foreign substance on the Boller



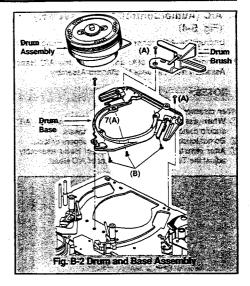
## 2. Drum and Base Assembly (Fig. B-2)

- 1) Remove the Auto Head Cleaner Assembly. (option)
- Remove three screws(A) and separate the Drum Assembly, Drum Base and the Drum Brush from the Deck Mechanism Assembly.
- Remove three screws(B) on the back side and remove the Drum Assembly from the Drum Base.

#### NOTES:

When disassembling and reassembling:

- Do not touch the video tips with fingers or tools.
   Give special attention to disassembling and reassembling of Auto Head Cleaner Assembly.
- ② After assembling, adjust the tape transport system and Servo PG.



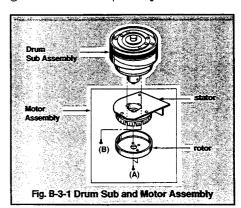
# 3. Drum Sub Assembly and Motor Assembly (Fig. B-3-1)

- Remove the Drum Base from the Deck Mechanism Assembly.
- 2) Separate the Drum Assembly from the Drum Base.
- 3) Remove two screws(A) and then remove the rotor.
- 4) Remove three screws(B) and then remove the stator.

#### **HOTE**

When disassembling and reassembling:

( ) Do not touch the video tips with fingers or tools.

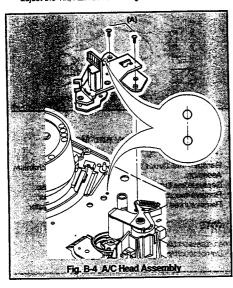


## 4. A/C (Audio/Control) Head Assembly (Fig. B-4)

- 1) Unplug the A/C connector from the Loading Motor
- 2) Remove two screws(A) and remove the A/C Head Assembly from the Deck Mechanism Assembly.

When disassembling and reassembling:

- (1) When assembling, the 3mm hole of the Base A/C should coincide to 3mm hole in the Chassis.
- ② Do not touch the A/C Head Tips with fingers or tools.
- 3 After reinstalling the Audio Control Head Assembly, adjust the Tilt, Azimuth and Height of A/C Head.



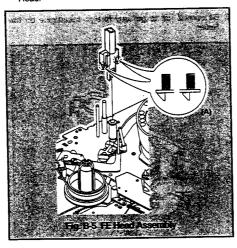
## 5. FE (Full Erase) Head Assembly (Fig. B-5) (Optional Item)

1) Push two tabs(A) and remove the FE Head.

#### NOTE

When disassembling and reassembling:

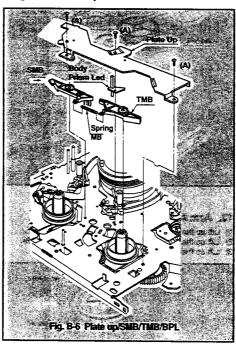
① Be careful not to get any foreign substance on the FE



## **DECK MECHANISM DISASSEMBLY**

## 6. Plate Up/Supply Main Brake/Take up Main Brake/Body Prism Led Assembly (Fig. B-6)

- Remove three screws(A) and remove the Plate Up.
- 2) Supply Main Brake
- ① Remove the Spring MB.
- 2 Lift up the Supply Main Brake.
- 3) Take-Up Main Brake
- (1) Lift up the Take-Up Main Brake.
- 4) Body Prism Led
- ① Remove the Body Prism Led.



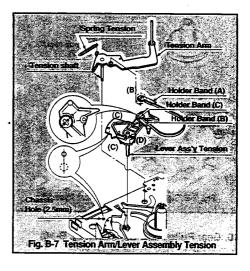
## 7. Tension Arm/Lever Assembly Tension (Fig. B-7)

- 1) Remove the Spring Tension.
- 2) Push the tab(A) of the Base Tension on the back cover of the Deck Mechanism Assembly outward and remove the Tension Arm Assembly.
- 3) Push the tab(B) on the back side of the Holder Band(A) and remove the Tension Arm Assembly.
- 4) Push two tabs(C) on the bottom side of the Lever Tension and Lift up the Lever Assembly Tension.

#### NOTES:

When disassembling and reassembling:

- (I) (D) is engaged to the cam groove of the Gear Cam L/D and two tabs(C) are engaged in the chassis. (care must be taken not to damage the two tabs when disassembling and reassembling)
- 2) When disassembling, turn to the counterclockwise and lift up so that grease which may be on (D) is not transfered to the Reel Brake Drum.
- 3 When assembling, the 2.5mm hole of the Lever Assembly Tension should be aligned with the 2.5mm hole in the chassis.
- 4 After reassembling, adjust the Tension.

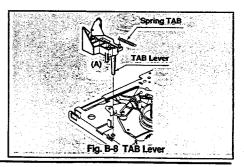


#### 8. TAB Lever (Fig. B-8) (Optional Item)

Remove the Lever Ass'y Tension.

2) Remove the Spring TAB.

3) Push the tab(A) on the bottom side of TAB Lever and remove the TAB Lever.

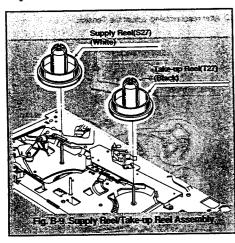


## Supply Reel/Take Up Reel Assembly (Fig. B-9)

 Lift up Reel(S), (T) after removing the Plate Up and Band Assembly.

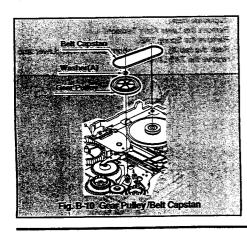
#### NOTES:

- Be sure not to interchange the Take-up Reel and the Supply Reel.
- ② Do not allow the Brake Drum to come in contact with grease.



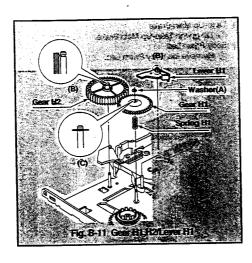
## 10. Gear Pulley/Belt Capstan (Fig. B-10)

- 1) Turn over the Deck Mechanism Assembly.
- 2) Remove the Belt Capstan.
- 3) Remove the washer(A) and then lift up the Gear Pulley.



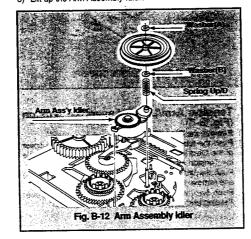
## 11. Gear H1, H2/Lever H1 (Fig. B-11)

- 1) Push and lift up the hook(B) of Lever H1.
- 2) Remove the washer(A) and then lift up the Gear H1.
- 3) Lift up the Spring H1.
- 4) Push and lift up the hook(B) of the Gear H2.



## 12. Arm Assembly Idler (Fig. B-12)

- 1) Lift up the Gear Pulley after removing the washer(A).
- 2) Lift up the Spring Up/D after removing the washer(B).
- 3) Lift up the Arm Assembly Idler.



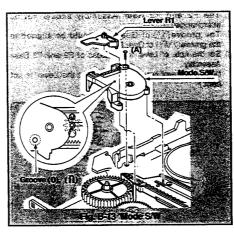
## **DECK MECHANISM DISASSEMBLY**

## 13. Mode S/W (Fig. B-13)

- 1) Lift up the Lever H1.
- 2) Remove the screw(A) and lift up the Mode S/W.

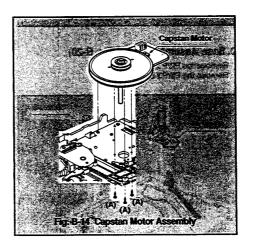
#### NOTE

When assembling mode, the groove of Gear (↑) and Body
 ( o ) of the Mode Switch should be aligned.



## 14. Capstan Motor Assembly (Fig. B-14)

Remove three Screws(A) on the top side and remove the Capstan Motor Assembly.

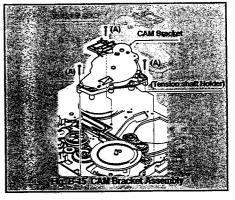


## 15. CAM Bracket Assembly (Fig. B-15)

- 1) Remove three screws(A).
- 2) Remove the CAM Bracket Assembly.

#### NOTE

① The (Tension Shaft Holder) fixes the Tension Shaft on Fig B-7, therefore when the CAM Bracket Assembly is removed, First remove the Tension Arm on Fig B-7.



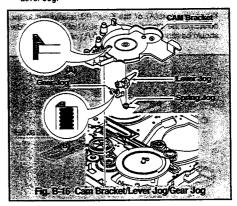
#### 16. Cam Bracket/Lever Jog/Gear Jog (Fig. B-16) (Optional Item)

- 1) Remove the Cam Bracket Assembly.
- Remove the Spring Jog.
- 3) Push the tab(A) and remove the Lever Jog.
- 4) Push the tab(B) and remove the Gear Jog.

#### NOTE

① The tab(B) on the Gear Jog should be in groove of the

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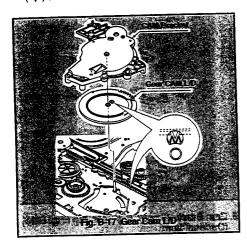


## 17. Gear Cam L/D (Fig. B-17)

- 1) Remove the Cam Bracket Assembly.
- 2) Remove the Gear Cam L/D.

#### NOTE

 When assembling the Gear Cam L/D, the groove (/\lambda\) of Plate Slider should coincide with to the groove ( \lambda\) on the Gear Cam L/D.

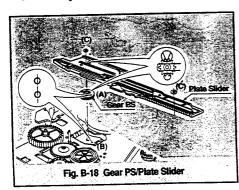


## 18. Gear PS/Plate Slider (Fig. B-18)

- 1) Remove two washers(C).
- 2) Remove the Plate Slider.
- 3) Remove the Gear PS.

#### NOTE

 When the hole(A) of the Gear PS is aligned to the hole(B) of the chassis, the groove(V) of the Plate Slider should be aligned to the groove(/\lambda\) of the Gear PS.



## 19. Gear Assembly P2/P3 (Fig. B-19)

- 1) Remove the Plate Slider.
- Remove by pushing one hook(B) on the top side of Gear Assembly P3.
- Remove by pushing one hook(A) on the top side of Gear Assembly P2.

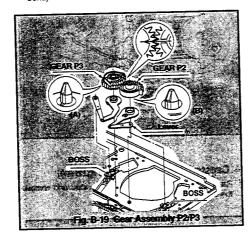
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#### NOTES:

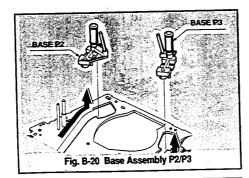
When disassembling and reassembling:

- ① The P2 and P3 Gear Assembly should not be interchanged.
- ② The groove(V), of Gear P2 should be aligned to the groove(N) of Gear P3.
- ③ Set the hole of Lever to the Boss of P2 and P3 Base Assembly. (When assembling make sure that the Lever is not



## 20. Base Assembly P2/P3 (Fig. B-20)

- 1) Remove the P2/P3 Gear Assembly.
- 2) Remove the P2/P3 Base Assembly.



## **DECK MECHANISM DISASSEMBLY**

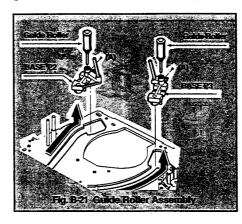
## 21. Guide Roller Assembly (Fig. B-21)

- 1) Remove two screws(A).
- Remove the Guide Roller From the Base P2/P3 by turning it.

#### NOTE

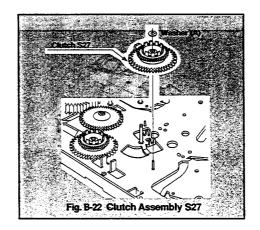
When disassembling and reassembling:

① The P2 and P3 Base should not be interchanged.



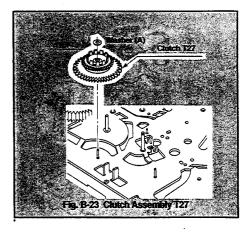
## 22. Clutch Assembly S27 (Fig. B-22)

- 1) Remove the Gear Cam L/D and the Arm Assembly Idler.
- 2) Remove the washer(A).
- 3) Remove the Clutch Assembly S27.



## 23. Clutch Assembly T27 (Fig. B-23)

- 1) Remove the Gear H1 and Arm Assembly Idier.
- 2) Remove the washer(A).
- 3) Remove the Clutch Assembly T27.

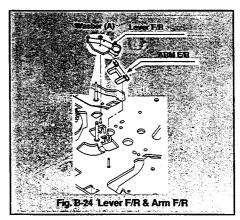


## 24. Lever F/R & Arm F/R (Fig. B-24)

- 1) Remove the Plate Slider.
- 2) Remove the washer(A).
- 3) Remove the Lever F/R.
- 4) Remove the Arm Assembly Idler.5) Remove the Arm F/R.

#### NOTE

1) When disassembling the Arm F/R should be horizontal.



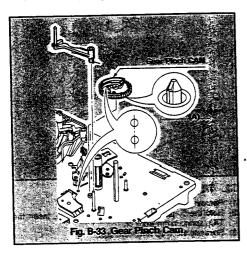
## 33. Gear Pinch Cam (Fig. B-33)

- Remove the T/Up Arm Assembly.
   Remove by pushing one tab(A) on the bottom side of the Gear Pinch Cam.

## NOTE

When disassembling and reassembling:

① The small hole on the Gear Pinch Cam and hole of chassis should be aligned.



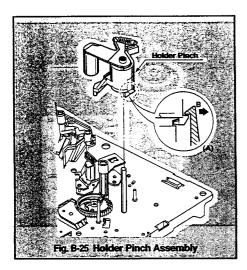
## **MECHANISM ADJUSTMENT**

## • Tools and Fixtures for Deck

1. Cassette Torque meter Parts No: 000-0006	2. Alignment tape  Parts No NTSC: DTN-0001  PAL: DTN-0002	3. Torque gauge Paris No: D00-D002
patro i cardi dichi ma masa sell s	Delicies Ships and Revented w	aga yend .
		and the second s
The rest one of actions		The second of th
4. Torque gauge adaptor . State Parts No: D09-R001	¥ 5. Post height adjusting driver Parts No: BTL-8885	6 - Type driver (o5) × erc Obtain locally
	10	

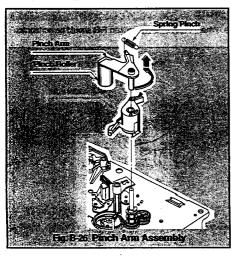
#### 25. Holder Pinch Assembly (Fig. B-25)

 Separate the Holder Pinch Assembly by pushing tab(A) on the L/D Motor Bracket in the direction of arrow (B).



#### 26. Pinch Arm Assembly (Fig. B-26)

- 1) Remove the Spring Pinch.
- Remove the Pinch Arm Assembly by turning it counterclockwise.



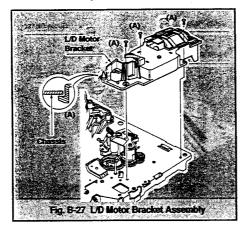
#### 27. L/D Motor Bracket Assembly (Fig. B-27)

- 1) Remove three Screws(A).
- Push the tabs(A) and remove the L/D Motor Bracket Assembly.

#### NOTES:

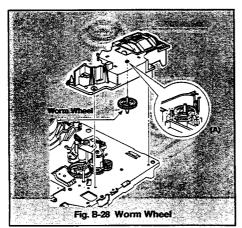
When assembling and disassembling:

Make sure Grease from the Gear Pinch does not come in contact with the wing of the L/D Motor Bracket.



## 28. Worm Wheel (Fig. B-28)

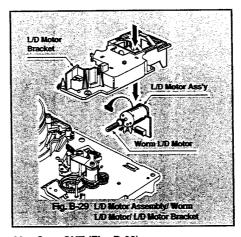
- 1) Remove the L/D Motor Bracket Assembly.
- Push two Tabs(A) on the L/D Motor Bracket and then remove it.



## **DECK MECHANISM DISASSEMBLY**

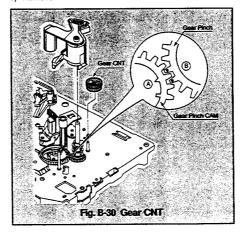
# 29. L/D Motor Assembly & Worm L/D Motor & L/D Motor Bracket (Fig. B-29)

- 1) Remove the L/D Motor Bracket Assembly.
- Push the L/D Motor Assembly in lower direction and then remove.
- Remove the Worm L/D Motor from the L/D Motor Assembly in the direction of arrow (A).
- Remove the L/D Motor Assembly and the Worm L/D Motor and then L/D Motor Bracket is removed.



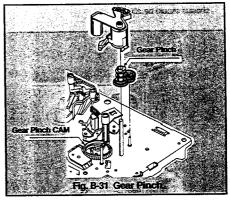
## 30 . Gear CNT (Fig. B-30)

- 1) Remove the L/D Motor Bracket Assembly.
- 2) Remove the Pinch Arm Assembly.
- 3) Remove the Gear CNT.



#### 31. Gear Pinch (Fig. B-31)

- 1) Remove the Pinch Arm Assembly.
- 2) Remove the Gear CNT.
- 3) Remove the Gear Pinch.
- 4) When reassembling, make sure that the two teeth, Gear pinch CAM(@) and Gear pinch(@), with timing marks line up with the arrow at two o'clock on the Pinch Cam Gear. (See Fig on B-30)



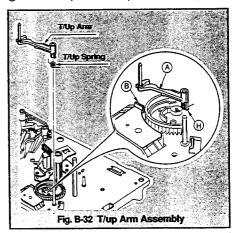
## 32. T/Up Arm Assembly (Fig. B-32)

- 1) Remove the L/D Motor Bracket Assembly.
- Hold the ⊕ part of T/Up Arm, at this time, insert the T/Up spring in the Hook ⊕.
- 3) Separate the T/Up Arm Assembly.
- 4) Remove the T/Up spring.

#### NOTES:

When reassembling,

- ① Insert the T/Up spring in the Hook ⊕ as above No. 32. 2).
- 2 Place the T/Up Arm Assembly at the back of B part.



4-12 LG LG 4-13

## 4. Checking Torque

Purpose: To insure smooth transport of the tape during each mode of operation. If tape transport is abnormal, then check the torque as indicated by the chart below. CALL CARREST PROPERTY OF A SHARE

Test	Equip	ment/	Fixt

A variety of the contract that were

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TAMAME OF B

## THE RESIDENCE OF STREET PROPERTY OF Test Conditions VCR(VCP) State

- Torque Gauge(600 g/cm ATG)
- Torque Gauge Adaptor
- Cassette Torque Meter VrNTSC: 16.67msec LPAL: 20msec

 Set the VCR to each operating mode without inserting a cassette. (See '2. Preparation for Adjustment'. Page 4-17)

REFERENCES MARKET

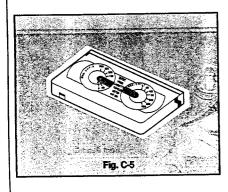
Item	Mode Test Equipment		Measurement Reel	Measurement Values	
Slack Removal Torque	Unloading	Cassette Torque Meter	Supply Reel	More than 150~270g cm	
Fast Forward Torque	Fast Forward	Cassette Torque Gauge	Take-Up Reel	More than 500g cm	
Rewind Torque	Rewind	Cassette Torque Gauge	Supply Reel	More than 500g cm	
Play Take-Up Torque	Play	Cassette Torque Meter	Take-Up Reel	55~95g·cm	
Review Torque	Review	Cassette Torque Meter	Supply Reel	170~250g cm	

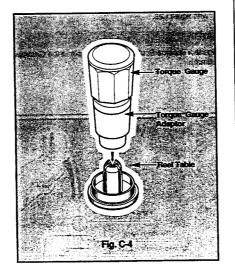
## Checking Method:

The Values are measured by using a torque gauge and torque gauge adaptor with the torque gauge affixed.

## NOTE

And the company of the Charles The torque reading to measure occurs when the tape abruptly changes direction from fast forward or rewind mode, when quick braking is applied to both reels.





## **MECHANISM ADJUSTMENT**

## 5. Guide Roller Height Adjustment

Purpose: To regulate the height of the tape so that the bottom of the tape runs along the tape guide line on the lower drum. 

#### A. Preliminary Adjustment

Test Equipment / Fixture	Test Conditions	VCR(VCP) State	Adjustment Point
Post Height Adjusting Driver     Hexagonal Wrench or Allen Wrench Phillips screw driver	Allows a good normally in spi guide roller.	tape to play te of a damaged	Guide Roller Height Adjustment screws on the Supply and Take-Up Guide Rollers.
Adjustment Procedure  1) Perform the precise adjustment(S 2) If the Guide Roller is damaged, lo		ADJUSTMENT D	ADJUSTMENT SCREW
retaining screw and replace the G  3) Adjust the height of P2, P3 so that	uide Roller.	Fried 22 44 + 40 Fried 24 44 1	UPPER FLANGE

## **B. Precise Adjustment**

the guide line.

		T	
Test Equipment / Fixture	Test Equipment Connection Points	Test Conditions VCR(VCP) State	Adjustment Point
Oscilloscope     Alignment Tape     Post Height Adjusting     Driver	CH-1: PB RF Envelope CH-2: NTSC: SW 30Hz PAL: SW 25Hz Head Switching Output	Play an alignment tape	Guide Roller Height     Adjustment Screws.
	Point  RF Envelope Output Point	Waveform Diagrams P2 POST ADJUSTMENT	
Adjustment.Procedure			
	after connecting the probe of		
and Head Switching Outp			
Tracking Control (in PB r     this adjustment is perfore	mode): Center position (When med after the drum assembly		
has been replaced, set the	ne tracking control so that the	P3 POST ADJUSTMENT	Turn the Roller Guide Height Adjustment Screw slightly
RF output is maximum.)  3) Height adjustment screw:	Flatten the RF waveform.	Fig. C-5-2	to flatten the waveform.
(Fig. C-5-2) 4) Turn (Move) the tracking	ng control (in the Playback		
mode) clockwise and cou	nterclockwise. (Fig. C-5-3))		
and end of the waveform.	F output is uniform at the start	Tracking control at center	Turn (Move) the tracking
		_	control to both directions.
CAUTION		Fig. C	-5-3
If the adjustment is excessive jam or fold.	ve or insufficient the tape will	Connection Diagram	OSCILLOSCOPE
		RF ENVELOPE OUTPUT TEST POIN	п — —   📕 📗
		HEAD SWITCHING OUTPUT TEST	CH-1 CH-2 ⊕ ⊕ ⊕
		POINT	<u> </u>

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GUIDE ROLLER RETAINING SCREW

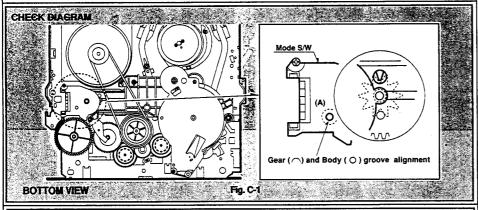
Fig. C-5-1

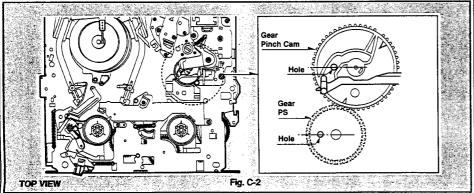
## 1. Mechanism and Mode Switch Alignment Check

Purpose: To determine if the mode switch and mechanism are in the correct position, when a tape is ejected from the loading mechanism.

	the state of the s	A second control of the second control of th
Test Equipment / Fixture	Test Conditions VCR (VCP) State	Check Point
Blank tape	Eject Mode (with cassette ejected)	Mechanism and Mode Switch Position

- 1) Turn power on and eject the cassette by pressing the eject button.
- 2) Remove the top and bottom covers.
- Visually check the alignment of the Pinch Cam gear and PS gear holes, line up with holes in the chassis (figure C-2).
- If the gears in step 3 do not align as indicated, then rotate the shaft of the loading motor to either the clockwise or counterclockwise direction until alignment does occur.
- Turn the unit over and remove the main P.C.B thus exposing the bottom side of the deck mechanism.
- Check the alignment of the mode switch as illustrated in figure C-1, (A).
- 7) If the alignment is incorrect then remove the mode switch and align as shown in figure C-1 with out changing the position of the Pinch Cam gear and PS near
- Remount the mode switch and main P.C.B assembly and check operation.





## **MECHANISM ADJUSTMENT**

## Preparation for Adjustment (To set VCR (VCP) to the loading state without inserting a cassette.)

- 1) Unplug the Power Cord from the AC outlet.
- 2) Separate the Top Cover and Front Loading Mechanism.
- 3) Plug the Power Cord into the AC outlet.
- Turn the VCR on and push the tact switch in the P.C.B. Assembly.

The VCR can accept inputs for each mode in this case. However the rewind and review operation cannot be performed for more than a few seconds because the take-up reel table is in the stop state and reel pulses cannot be detected.

#### NOTE

Cover the holes in the end sensors with black tape to prevent a light leak.

## 3. Tension Post Position and Tension Adjustment

#### NOTES:

Always return the VCR(VCP) to the Front Loading Mechanism Assembly State in the following order after the above operations have been performed.

- 1) Press the Eject button after turning the power ON.
- Wait for about 10 seconds until searching out the assembly position.
- Assemble the Front Loading Mechanism and connect the Front Loading Mechanism Connector.
- 4) Refer to the "Front Loading Mechanism Disassembly"

# Purpose: To insure uniform tape contact with the video head by maintaining constant tape tension. Test Equipment / Fixture Test Conditions VCR(VCP) State Adjustment Point

Test Equipment / Fixture	Test Conditions VCR(VCP) State	Adjustment Point
Cassette Torque Meter (For play 100g/cm)	Position Adjustment: Play without a cassette     Tension Check: Play	Holder Band B and C

#### **Position Adjustment**

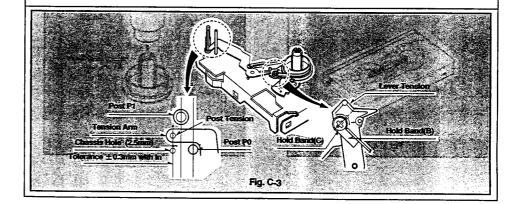
- Remove cassette.
- Adjust the position of tension post in accordance with figure C-3.

#### NOT

Align the Tension Post (2mm) to the hole in the Chassis (2.5mm).

#### **Tension Adjustment**

- 1) Turn on VCR and load the cassette torque meter.
- Press the play button and observe the torque tension on the supply reel (spec. 37g/cm+5g/cm).
- If torque is out of spec. then use a Phillips screw driver and move the screw head located in the center of the B and C band hold; to either the right or left until correct torque is indicated.



## 6. Audio/Control (A/C) Head Adjustment

Purpose: To insure that the tape passes accurately over the audio and control tracks in exact alignment in both the record and playback modes.

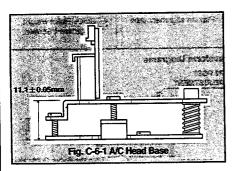
## A. Preliminary Adjustment (Height and tilt adjustment)

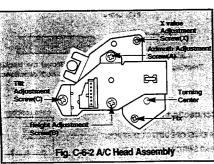
Perform the Preliminary adjustment, when there is no Audio Output signal with a blank tape.

Test Equipment / Fixture	Test Conditions VCR(VCP) State	Adjustment Points
Blank Tape     Screw Driver(+) Type 5mm	Play the blank tape (CTL Tape)	Tilt Adjustment Screw(C) Height Adjustment Screw(B) Azimuth Adjustment Screw(A)

## Adjustment Procedure /Diagrams

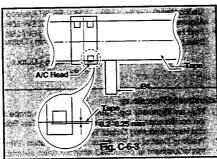
- 1) Initially adjust the A/C head assembly as shown in figure C-6-1, by using the height adjustment screw(B).
- 2) Play a blank tape and observe if the tape passes accurately over the A/C head without tape curling or
- 3) If folding or curling does occur then adjust the Tilt adjusting screw(C) while the tape is running to resemble figure C-6-3.

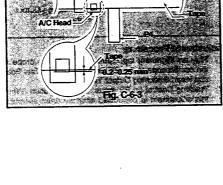




4) Confirm that the tape passes over the A/C head assembly as indicated by proper audio reproduction and proper tape counter performance.

Ideal A/C head height occurs, when the tape runs between 0.2~0.25mm above the bottom edge of the A/C head core.





## **MECHANISM ADJUSTMENT**

- B. Confirm that the tape passes smoothly between the T/UP guide and the Pinch Roller (Using a mirror or the naked eye).
- 1) After completing step A. (Preliminary Adjustment), check that the tape passes around the T/UP post without folding at the top or bottom.
  - If folding is observed, due the following:
  - ① If folding is observed at the lower part of the T/UP post, then slowly turn the tilt adjustment in the clockwise direction to eliminate tape the curling.
  - 2) If folding is observed at the upper part of the T/UP

post, then slowly turn the tilt adjustment in the counterclockwise direction to eliminate the tape curling.

#### C. RF Fine Adjustment (only if the RF waveform differs from figure C-5-3).

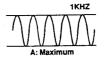
1) Check the RF Envelope after confirming smooth tape transport path at the T/UP Guide/Pinch Roller.

## D. Precise Adjustment (Azimuth adjustment)

Test Equipment / Fixture	Test Equipment Connection Point	Test Conditions VCR (VCP) State	Adjustment Points
Oscilloscope     Alignment tapes     Screw Driver(+) Type 5mm	Audio output jack	Play an alignment tape     1KHz, 7KHz sections.	Azimuth Adjustment Screw(A)     Tilt Adjustment Screw(C)

#### Adjustment Procedure

- 1) Connect the probe of oscilloscope to Audio Output Jack.
- 2) Alternately adjust the Azimuth adjustment screw(A) and the Tilt adjustment screw(C) for maximum output of the 1KHz and 7KHz segments, while maintaining the flattest envelope differential between the two frequencies.



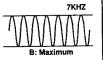


Fig. C-6-4

## 7. X-Value Adjustment

Test Equipment / Fixture	Test Equipment Connection Point	Test Conditions VCR (VCP) State	Adjustment diagrams
Oscilloscope     Alignment tapes     Screw Driver(+) Type 5mm     Post Height Adjusting     Driver	CH-1: PB RF Envelope CH-2: NTSC: SW 30Hz PAL: SW 25Hz Head Switching Output Test Point RF Envelope Output Test Point	Play an alignment tape	Left A Groove at the Base A/C
screw.  2) Allow the mechanism t tracking to complete it's or 3) Move the A/C base later in the diagram to find allows for the maximum method should allow the located over the 60um ta	ally in the direction as shown the center of the peak that in waveform envelope. This is 30um head to be centrally	Adjustment Diagram  Tilt Adjustment Screw(C) Height Adjustment Screw(B)  Connection Diagram  RF ENVELOPE OUTPUT TEST P HEAD SWITCHING OUTPUT TES	CH-1 CH-2

# 8. Adjustment after Replacing Drum Assembly (Video Heads)

Test Equipment / Fixture	Test Equipment Connection Points	Test Conditions VCR(VCP) State	Adjustment Points
Oscilloscope     Alignment tape     Blank Tape     Post Height Adjusting Driver     Screw Driver(+) Type 5mm	CH-1: PB RF Envelope CH-2: NTSC: SW 30Hz PAL: SW 25Hz Head Switching Output Test Point RF Envelope Output Test Point	Play the blank tape Play an alignment tape	Guide Roller Precise     Adjustment     Switching Point     Tracking Preset     X-Value
and the collectuide if the	ck for tape curing or creasing ere is a problem then follow the liler Height" and 6. "Audio	Connection Diagram  RF ENVELOPE OUTPUT TEST P HEAD SWITCHING OUTPUT TEST POINT	CH-1 CH-2

# 9. Check the Tape Travel after Reassembling Deck Assembly.

# 9-1. Check Audio and RF Locking Time during playback and after CUE or REV (FF/REW)

Test Equipment / Fixture	Specification	Test Equipment Connection Points	Test Conditions VCR (VCP) State
Oscilloscope     Alignment tape (with 6H 3kHz Color Bar Signal)     Stop Watch	RF Locking Time: Less than 5 sec. Audio Locking Time: Less than 10 sec.	CH-1: PB RF Envelope CH-2: Audio Output RF Envelope Output Point Audio Output Jack	Play an alignment tape (with 6H 3kHz Color Bar Signal)
Checking Procedure Play an alignment tape then CUE or REV and confirm if a specifications.	change the operating mode to the unit meets the above listed	NOTES:  1) CUE is fast forward mode 2) REV is the rewind mode 3) Referenced to the Play	(REW)

## **MECHANISM ADJUSTMENT**

## 9-2. Check the condition between the Audio and Video Sync. (Lip Sync.)

Test Equipment / Fixture	Specification	Test Equipment Connection Points	Test Conditions VCR (VCP) State
Oscilloscope     Alignment Tape	Less than ± ½ V	CH-1: PB RF Envelope CH-2: Audio Output RF Envelope Output Point Audio Output Jack	Play an alignment tape
Checking Procedure  1) Confirm that the period ±½V.  2) If the result is abnormal, r (X-Value adjustment)	d (A) in Fig. C-9-1 is within epeat adjustment #7.	V	RF SIGNAL

## 9-3. Check for tape curling or jamming

V NTSC: 16.67msec

Test Equipment / Fixture	Specification	VCR(VCP) State
• T-160 Tape • T-120 Tape	Be sure there is no tape jamming or curling at the begining, middle or end of a T-160 tape.	Run the CUE, REV play mode at the beginning and the end of the tape.

#### **Checking Procedure**

- guides, drum and A/C head assemblies while abruptly changing operating modes from Play to CUE or REV. This is to be checked at the begining, middle and end sections of the cassette.
- 1) Confirm that the tape runs smoothly around the roller 2) Confirm that the tape passes over the A/C head assembly as indicated by proper audio reproduction and proper tape counter performance.

Fig. C-9-1

LG

AUDIO SIGNAL

## 10. Maintenance/Inspection Procedure

## 1) Required Maintenance

The recording density of a VCR(VCP) is much higher than that of an audio tape recorder. VCR(VCP) components must be very precise, at tolerances of 1/1000mm, to ensure compatibility with other VCRs. If any of these components are worn or dirty, the symptoms will be the same as if the part is defective. To ensure a good picture, periodic inspection and maintenance, including replacement of worn out parts and lubrication, is necessary.

#### 2) Scheduled Maintenance

Schedules for maintenance and inspection are not fixed because they vary greatly according to the way in which the customer uses the VCR (VCP), and the environment in which the VCR(VCP) is used.

But, in general home use, a good picture will be maintained if inspection and maintenance is made every 1,000 hours. The table below shows the relation between time used and inspection period.

Table 1

When inspection is necessary	About 1 year	About 18 months	About 3 years
Average hours used per day		<u> </u>	
One hour			
Two hours			•
Three hours			

#### 3) Check before starting repairs

The following faults can be remedied by cleaning and oiling. Check the needed lubrication and the conditions of cleanliness in the unit.

Check with the customer to find out how often the unit is used, and then determine that the unit is ready for in spection and maintenance. Check the following parts.

#### Tabel 2

Phenomenon	Inspection
Poor S/N, no color	Dirt on video head or worn
	video head
Tape does not run or tape is	Dirt on pinch roller, belt or
slack	flywheel belt
Vertical jitter, horizontal jitter	Dirt on video head or in tape
	transport system
Color beats	Dirt on full-erase head
Low volume or distorted audio	Dirt on audio/control head
No Fast forward or rewind or	Dirt on belt
rotation is slow	

#### 4) Supplies Required for Inspection and Maintenance

- (1) Grease Kanto G-311G or equivalent
- (2) Isopropyl Alcohol or equivalent
- (3) Cleaning Patches

## 5) Maintenance Procedure 5-1) Cleaning

(1) Cleaning video head

First use a cleaning tape. If the dirt on the head is too stubborn to remove by tape, use the cleaning patch. Coat the cleaning patch with Isopropyl Alcohol. Touch the cleaning patch to the head tip and gently turn the head(rotating cylinder) right and left.

(Do not move the cleaning patch vertically. Make sure that only the buckskin on the cleaning patch comes into contact with the head. Otherwise, the head may be damaged.)

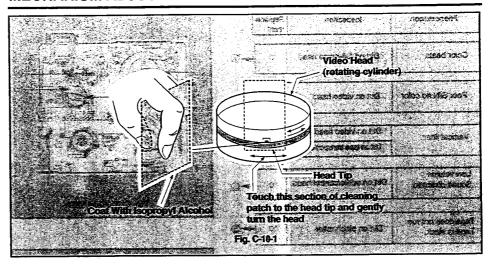
Thoroughly dry the head. Then run the test tape. If Isopropyl Alcohol remains on the video head, the tape may be damaged when it comes into contact with the head surface.

(2) Clean the tape transport system and drive system, etc, by wiping with a cleaning patch wetted with Isporopyl Alcohol.

#### NOTES:

- ① It is the tape transport system which comes into contact with the running tape. The drive system consists of those parts which moves the tape.
- Make sure that during cleaning you do not touch the tape transport system with the tip of a screw driver and no that force is that would cause deforming or damage applied to the system.

## **MECHANISM ADJUSTMENT**

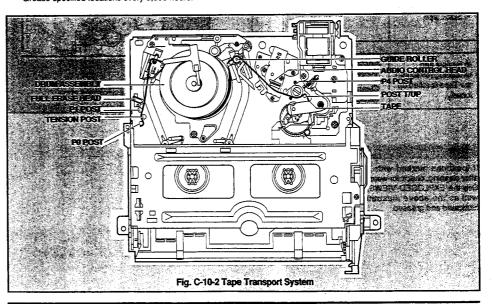


#### 5-2) Greasing

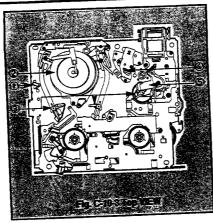
(1) Greasing guidelines

Apply grease, with a cleaning patch. Do not use excess grease. It may come into contact with the tape transport or drive system. Wipe any excess and clean with cleaning patch wetted in Isopropyl Alcohol.

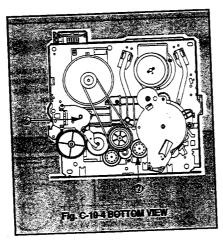
(2) Periodic greasing
Grease specified locations every 5,000 hours.



Phenomenon	Inspection	Replace- ment
Color beats	Dirt on full-erase head	• <b>•</b> •
Poor S/N no color	Dirt on video head	0 -2
Vertical jitter	Dirt on video head Dirt on tape transport system	0 -3
Low volume Sound distorted	Dirt on audio/control head	· · ·
Tape does not run. Tape is slack.	Dirt on pinch roller	· • • • • • •



Phenomenon	Inspection	Replace ment	
No fast forward or rewind, or rotation is slow Tape does not run Slack tape	Dirt on reel belt	0	<b>&gt;</b> ©
In Review and Unloading (off mode),	Clutch Ass'y S27 Torque reduced	0	<b>-</b> Ø
the Tape is rolled up loosely.	Cleaning Drum and transport system		



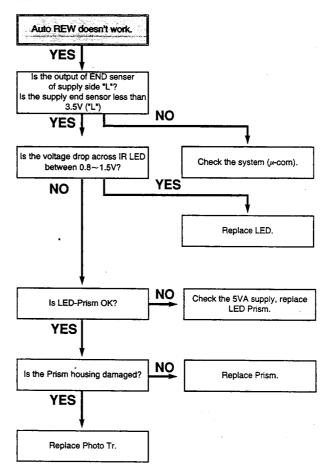
4-26

If locations marked with  $\circ$  do not operate normally after cleaning, check for wear and replace. See the EXPLODED VIEWS at the end of this manual as well as the above illustrations for the sections to be lubricated and greased.

## **MECHANISM TROUBLESHOOTING GUIDE**

## 1.Deck Mechanism

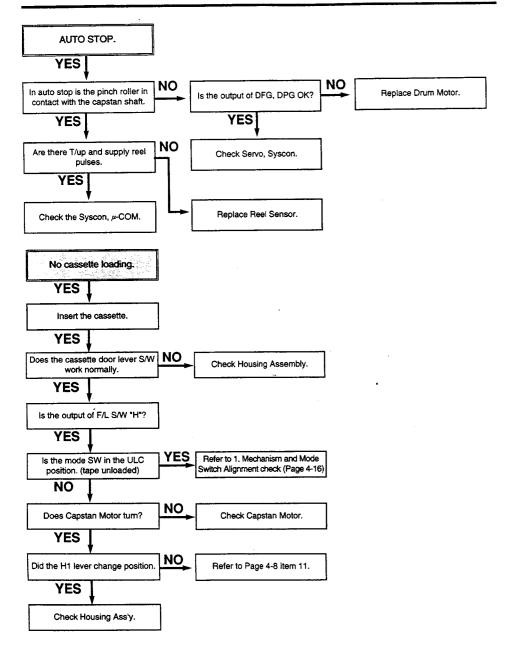
A.



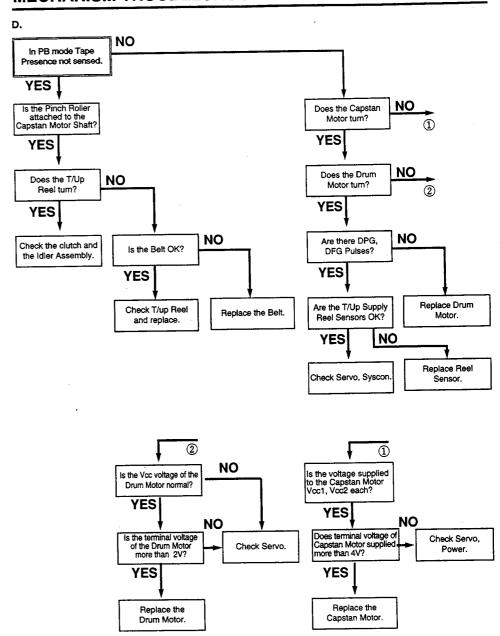
#### NOTES:

- 1) Auto REW takes place when the supply end sensor is "H" high. 2) "H"=voltage greater than 3.5V, "L"=voltage between 0.7~1.0V.

## MECHANISM TROUBLESHOOTING GUIDE

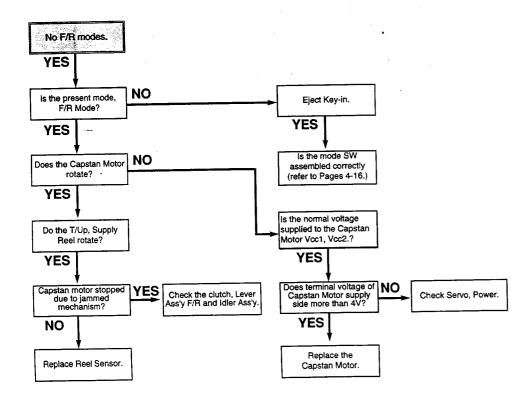


## MECHANISM TROUBLESHOOTING GUIDE



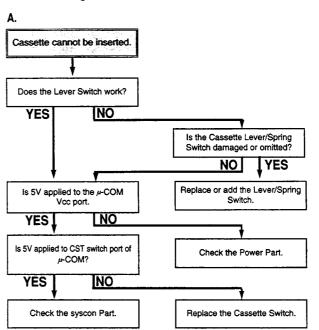
## **MECHANISM TROUBLESHOOTING GUIDE**

# In Eject mode, the Tape will not eject. YES Are the T/Up and Supply End Sensors OK? YES Replace the F/L S/W. Replace End Sensor.



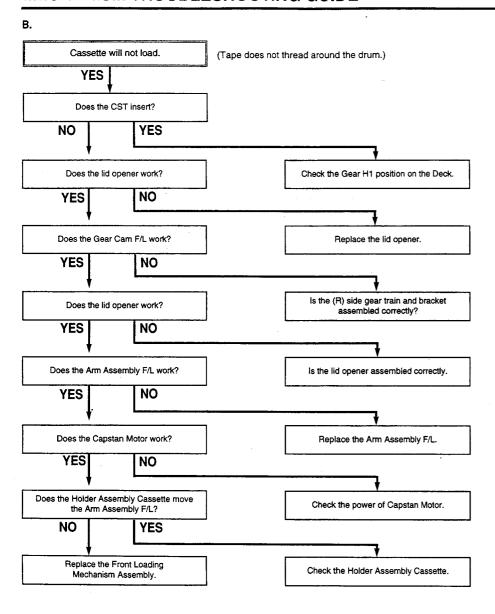
## MECHANISM TROUBLESHOOTING GUIDE

## 2. Front Loading Mechanism

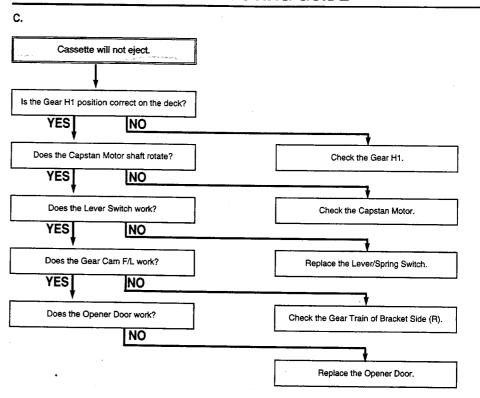


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## **MECHANISM TROUBLESHOOTING GUIDE**



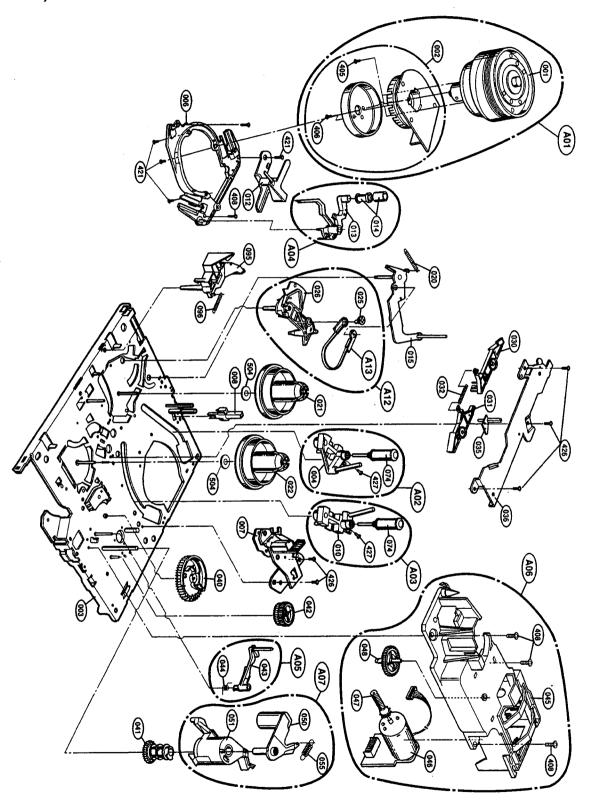
## **MECHANISM TROUBLESHOOTING GUIDE**



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# 1. Moving Mechanism Section (1)

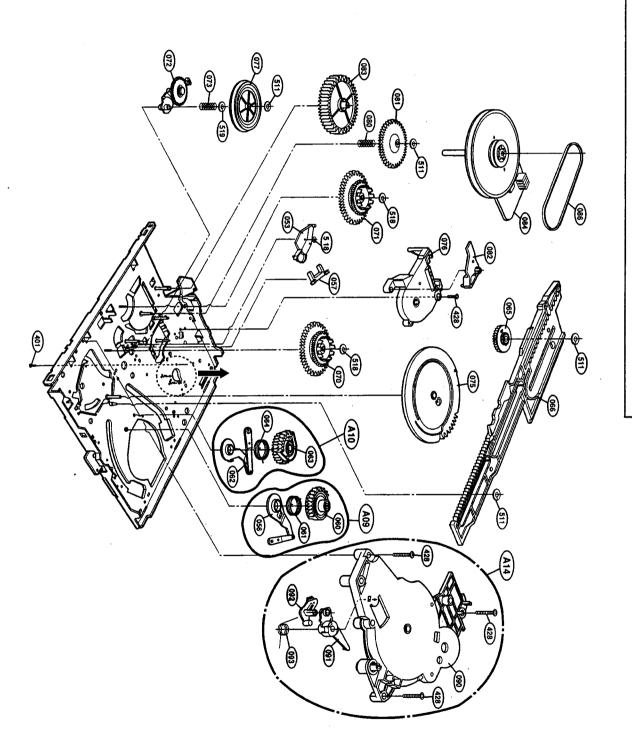
(Top View)



marks the optional parts only in VCR (Video Cassette Recorder) Models.

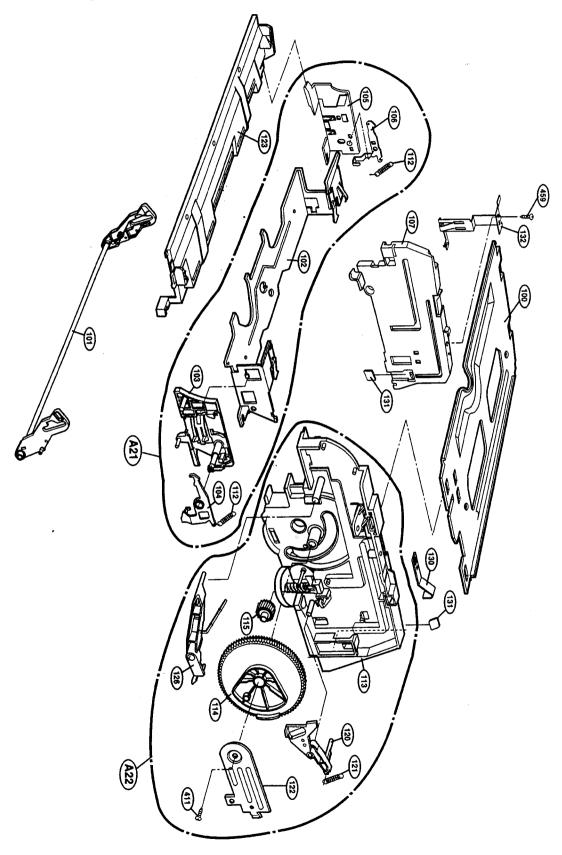
# 2. Moving Mechanism Section (2)

(Bottom View)



is the additional parts of the VCR (Video Cassette Recoder) Models.

# 3. Front Loading Mechanism Section



# SECTION 5 REPLACEMENT PARTS LIST

· Mechanical Section

RUN DATE: 98.11.19
NSP: Not Service Part

NSP: Not Service Part						
s	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
				ASSEMBLY PARTS SI	ECTION	
T		A00	6721R-0050A	DECK ASSY	D-27U (P, 6HF, EP)	
	- 1	A01	6723R-0027G	DRUM ASSY	(3P6S)SUPER PAL D4HD+HIFI (11)	
		A02	225-361A	BASE	ASSY P2	
		A03	225-364A	BASE	ASSY P3	
-		A04	386-394A	ARM	ASSY CLEANER	
-	ļ	A05	386-405B	ARM	ASSY T/UP	l
-		A06	4811R-0004G	BRACKET ASSY	L/D MOTOR (D27U/AIWA)	
k	OR	A07	340-070A	HOLDER	ASSY PINCH	
-1		A07	340-195A	HOLDER	ASSY PINCH	
-		A09	435-435A	GEAR	ASSY P2	
١		A10	435-437A	GEAR	ASSY P3	1
ı		A12	333-329A	LEVER	ASSY TENSION	
-	- 1	A13	328-075A	BAND	ASSY TENSION	NSP
-	1	A14	4811R-0010B	BRACKET ASSY	CAM	1.0
-	- 1	A20	3661R-0001B	HOUSING ASSY (MECH)	D-27	
		A21	4931R-0004A	HOLDER ASSY	CST	
		A22	4811R-0002A	BRACKET ASSY	SIDE(R)	
				PARTS SECTION	N	<u> </u>
T		001	6723R-0026G	DRUM ASSY	CUR/CURE BAL DAUD LUIE 44 D)	
-		002	414-209B	MOTOR	SUB(SUPER PAL D4HD+HIFI-11P) ASSY DRUM GVD-027B ALPS	
k	OR	002	414-217B	MOTOR	ASSY DRUM E20XL20 D27 SANKYO	
1		003	311-011A	CHASSIS ASSY	D27	
	ļ	004	225-362A	BASE	SUB ASSY P2	NSP
		006	225-376A	BASE	ASSY DRUM	NSP
ł	- 1	007	225-371A	BASE	ASSY A/C	
ı	- [	008	523-833A	HEAD	FE HVFHU0010AK ALPS	]
	- 1	009	434-244A	ROLLER	ASSY INERTIA	]
ı	- [	010	225-365A	BASE	SUB ASSY P3	
ı		012	225-399A	BASE	ASSY BRUSH	NSP
l	- 1	013	386-395A	ARM	CLEANER	
l	- 1	014	324-835B	HOLDER	1	NSP
ĺ	- [	015	386-392A	ARM	ASSY CLEANER ASSY TENSION	NSP
	- 1	020	442-640A	SPRING		
	-	021	456-070A	REEL	TENSION	
		022	456-071A	REEL	S27	
l		025	340-008A	HOLDER	T27	
		026	333-330A	LEVER	BAND(C)	NSP
l		030	4421R-0002A	BRAKE ASSY	TENSION	NSP
		031	338-114B	BRAKE ASSY	SUPPLY (U)	
		032	442-655A	SPRING	T/UP (U)	
		035	316-019A	BODY	MB	
1	- 1	036	257-071A	PLATE	PRISM LED	
1		040	435-441A	- · · -	UP	
1		040	435-441A 435-440A	GEAR	PINCH CAM	
1	- [	042		GEAR	PINCH	
	-	042	435-439A 386-404B	GEAR	CNT	
1	j	043	386-404B 442-650A	ARM	SUB ASSY T/UP	ŀ
丄	L	<del></del>	2-03VA	SPRING	T/UP	NSP

AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
	045	321-669A	BRACKET	L/D MOTOR	
	046	414-199G	MOTOR(MECH)	ASSY L/D(AIWA)	
	047	4422R-0001A	WORM	L/D MOTOR	1
	048	437-020A	WORM	WHEEL	!
1	050	4261R-0002A	ARM ASSY!	PINCH (D/C)	
i	050	340-073A	HOLDER	SUB ASSY PINCH	
Ì	053	4510R-0010A	LEVER	F/R (U)	
i	055	442-649A	SPRING	PINCH	NSP
1		333-334A	LEVER	ASSY P2	NSP
Į	056	4260R-0007A	ARM	F/R	1
	057	4250H-0007A 435-436A	GEAR	P2	NSP
	060		SPRING	P2	NSP
	061	442-647A	LEVER	ASSY P3	NSP
1	062	333-336A	1	P3	NSP
1	063	435-438A	GEAR	P3	NSP
	064	442-648A	SPRING	P/S	
	065	435-442A	GEAR	SLIDER(U)	1
1	066	3300R-0123A	PLATE	ASSY S27	1
	070	337-0078	CLUTCH	ASSY T27	1
	071	337-008A	CLUTCH	ASSY IDLER	1
ì	072	386-396A	ARM	· ·	
ļ	073	442-644A	SPRING	UP/D	1
-	074	434-173A	ROLLER	ASSY GUIDE	1
OF		434-173C	ROLLER	ASSY GUIDE	
OF	7 074	434-173D	ROLLER	ASSY GUIDE(DAI YANG)	
-	075	435-433A	GEAR	CAM L/D	1
1	076	556-252B	SWITCH	MODE S/W(D-27),HMW0840-01,HOSI	
1	077	435-432C	GEAR	PULLEY	1
1	080	442-656A	SPRING	H1	
1	081	435-443A	GEAR	H1	ł
	082	333-339A	LEVER	H1	ļ
1	083	435-444A	GEAR	H-2	1
-	084	4680RA0001C	MOTOR(MECH)	GVC-027UA CAPSTAN LGEC	
Ì	086	452-062A	BELT	CAPSTAN D74.6XT2.1	1
	090	4810R-0043A	BRACKET	CAM (B/T)	
	091	4510R-0008A	LEVER	JOG (W/O SPRING)	1
- 1	092	435-434A	GEAR	JOG	
	093	442-646A	SPRING	JOG	ļ.
- [	095	333-338A	LEVER	TAB	
-	096	442-652A	SPRING	TAB	
1	100	3300R-0032A	PLATE	TOP	İ
	101	386-407A	ARM	ASSY F/L	Non
	102	4930R-0013A	HOLDER	CST	NSP
	103	4930R-0012A	HOLDER	BRACKET(R)	NSP
	104	4510R-0002A	LEVER	STOPPER(R)	NSP
- 1	105	4930R-0011A	HOLDER	BRACKET(L)	NSP
	106	4510R-0001A	LEVER	STOPPER(L)	NSP
İ	107	4810R-0005A	BRACKET	SIDE(L)	
	111	442-659A	SPRING	STOPPER	NSP
	112	442-660A	SPRING	RELEASE	NSP
	113	4810R-0006A	BRACKET	SIDE(R)	NSP
	114	435-467A	GEAR	CAM F/L	NSP
-	115	435-466A	GEAR	CONNECT	NSP
	120	333-342A	LEVER	SWITCH	NSP
	121	442-661A	SPRING	SWITCH	NSP
	1 161	1 TIE 001A	PLATE	COVER	l NSP

_					NSI	: Not Service Part
s	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		123	4974R-0006A	GUIDE	CST	
Ī		126	465-040A	OPENER	DOOR	NSP
		130	257-075A	PLATE .	GROUND	NSP
- 1		131	257-106A	PLATE	REFLECTOR	NSP
		132	3300R-0033A	PLATE	GROUND(L)	NSP
				SCREW		
		401	1MPK0261718	SCREW MACHINE, PAN HEAD	+,- D2.6 L5.0 MSWR3/FZY	
j		405	1MDC0262818	PAN HEAD MACHINE SCREW P/WASH+	D2.6 L12 MSWR3/FZY	
		406	1MEC0302018	PAN HEAD MACHINE SCREW S/W +	D 3.0 L 6.0 MSWR3/FZY	
- 1		408	1MBC0302418	BINDING HEAD MACHINE SCREW +	D 3.0 L 8.0 MSWR3/FZY	1
		411	353-046B	SCREW	SPECIAL (3X8 FZMY)	
		421	1MPC0302618	PAN HEAD MACHINE SCREW +!	D3.0 L10.0,MSWR3/FZY	
		426	1MPC0302018	PAN HEAD MACHINE SCREW +!	D3.0 L6.0 MSWR3/FZY	1
		427	353-054B	SCREW	MINIATURE	1
1		428	353-221A	SCREW	M3-L15	
		429	353-046A	SCREW	SPECIAL (3X6 FZMY)	
				NUT, WASHER		
		504	354-001B	WASHER	P.S D3.1XD6X0.5T	
		511	354-080C	WASHER	STOPPER	
		518	354-128A	WASHER	STOPPER	
		519	354-128B	WASHER	STOPPER	

## · Cabinet & Main Frame Section

RUN DATE : 98.11.19
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS		
				ASSEMBLY PARTS SE	ECTION			
_	A41 3501R-1062A BOARD ASSY KEY BOARD							
	l	A42	3501R-1061F	BOARD ASSY	TIMER			
		A43	3721R-F024K	PANEL ASSY, FRONT[NORMAL PARTS]	S909LP 3GL1L			
	l	A44	3501R-1064A	BOARD ASSY	PRE-AMP			
		A45	3501R-1063A	BOARD ASSY	SMPS	- 1		
		A46	3501R-1057E	BOARD ASSY	MAIN(S909LP)	İ		
	-	A47	6871R-1059B	PWB(PCB) ASSY	Y/CBOARD			
		A49	6871R-1060A	PWB(PCB) ASSY	MPX BOARD			
	•	·		PARTS SECTION	V	<u> </u>		
		250	3110R-0030A	CASE	TOP			
		260	3210R-0009B	FRAME	MAIN	NSP		
		261	4930R-0023A	HOLDER	TUNER			
		262	4940R-V003A	KNOB	VOLUME			
		263	4940R-Z004B	KNOB	SHUTTLE(UVP-H396G)			
		264	4940R-Z003B	KNOB	JOG(UVP-H396G)			
		275	4930R-0024A	HOLDER	DIGITRON			
		280	3720R-F020B	PANEL	FRONT	NSP		
		281	3551R-0007H	COVER ASSY	DOOR	NSP		
		283	3580R-0022T	DOOR	CST			

MODEL:S909LP 3GL1L

## RUN DATE : 98.11.19

## NSP: Not Service Part

s	A!	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
Γ		284	442-681A	SPRING	DOOR	
1		300	6410RCL002B	POWER CORD	DW5000E(FILTER) DONGWON VDE 21	1
	İ	320	3721R-D015D	PANEL ASSY, DISTRIBUTOR[NORMAL		
		330	3550R-0159A	COVER	воттом	
				SCREW		
Γ		452	353-051A	SCREW	SPECIAL	
	1	462	353-136A	SCREW	SPECIAL(FBK) (353S353A)	
1		463	1MBC0302418	BINDING HEAD MACHINE SCREW +	D 3.0 L 8.0 MSWR3/FZY	1
L	L	472	353-051E	SCREW	SPECIAL (3X12)	

## · Packing Accessory Section

## RUN DATE: 98:11.19 NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		801	3835RP0031H	INSTRUCTION ASSY	S909LP 3GL1L	
		802	3890R-H125A	BOX	S909LP 3GL1L SW3-A 1.095 2 FLX	
	Ι.	803	3920R-0063A	PACKING	0.02 107 EPS 10 768 1596	ì
	OR	804	292-053B	BAG	SOFT(MIDI)	NSP
		804	3858R-0006A	SHEET	ROLL(W630XL300MX0.5T)	NSP
		806	861-033B	CABLE SET ASSY	RF-CABLE ASSY FTZ (D.D)	
		808	534-008C	BATTERY	AAAM(R03) 1.5V 1PAIR(LOCAL)	
	}	810	861-505K	CABLE SET ASSY	RF-CABLE ASSY PAL HI-FI FTZ	1
		811	564-017B	PLUG ASSY	PHONO CORD 1WAY (YL)	
ı	1	812	564-018B	PLUG ASSY	PHONO CORD 2WAY (RD/WH)	
		813	683-002B	CABLE	S-VHS CORD SUAHN	
		821	861-045C	CABLE,COAXIAL	SCART+SCART CABLE (DONGDO)	
L		825	453-100K	TAPE (CIRC)	S-VHS TAPE(PAL E-180)	

## · Remote Control Section

## RUN DATE : 98.11.19 NSP: Not Service Part

s	AL	LOCA.NO	PART NO(GS)	DESCRIPTION		SPECIFICATION	REMARKS
		900	6711R2P004A	REMOTE CONTROLLER ASSY	J4	•	

## · Electrical Section

RUN DATE : 98.11.19

CAUTION: The \* marks in the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. Before replacing any of these components, read carefully the SAFETY PRECAUTIONS and SERVICING PRECAUTIONS in the manual. Do not degrade the safety of the unit through improper servicing.

#### Tolerance

Symbol	С	J	K	М	N	Z	P	Α
%	±2	±5	±10	±20	±30	+80 -20	+100 -10	+100 -10

CC, CJ, CK: Capacitor, Ceramic CE: Capacitor, Electrolytic CQ: Capacitor, Polyester

1	AL	LOCA.NO	PART NO(GS)	SPECIFICATION	s	AL	LOCAN		
					C172 C174				
T		C001	0CN1030F678	0.01M 16V M Y TA26	1	1	C175		
١		C002	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)	1		C176		
ı		C003	0CN1030F678	0.01M 16V M Y TA26	1	1	C180		
١		C004	0CE2254K638	2.2M SRA 50V M FM5 TP(5)		1	C181		
1		C005					C182		
١		C006	OCN1040K948	0.01M 16V M Y TA26 0.1UF 50V Z F TA26 D		1	C183		
1		C007	0CF4764F638	47M SRA/SS 16V M FM5 TP(5)	ı	1	C184		
1		C008	0CE1054K638	47M SRA/SS 16V M FM5 TP(5) 1.0M SRA/SS50V M FM5 TP(5)			C201		
ĺ		C009	0CN1030F678		1		C202		
			OCN6810K518	680P 50V KB TA26	1		C206		
1		C011		680P 50V KB TA26	ł		C207		
١		C012	0CN1030F678	0.01M 16V M Y TA26			C208		
1		C013	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)			C209		
١		C014	0CN1030F678	0.01M 16V M Y TA26	1	ł	C210		
١		C015 .	0CN3310K518	330P 50V K B TA26	Т	ì	C213		
١		C016	0CN1030F678	0.01M 16V M Y TA26		1	C214		
1		C101	0CQ4732K409	0.047UF S 50V J PE TP		1	C215		
١		C102		0.047UF S 50V J PE TP		1	C216		
1		C103	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)		1	C217		
1		C104	0CN1030F678	0.01M 16V M Y TA26			C218		
١		C105	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)		ì	C219		
١		C106	0CK1030K945	0.01UF 50V Z F TR			C221		
ļ		C151	0CN1010K518	100P. 50V KB TA26	l		C222		
		C152	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)	1	1	C223		
1		C153	0CN1030F678	0.01M 16V M Y TA26	i	1	C224		
ĺ		C154	0CE1054K636	1.0U SRA 50V M FM5 BP TP(D)	1		C301		
		C155	0CQ6822K409	6800PFS50VJPETP	1		C302		
		C156	0CN2230H948	0.022M 25V Z F TA26			C303		
ł		C157	0CC3300K415	33P 50V JNP0 TP			C304		
1		C158	0CC2200K415	22P 50V JNPO TS			C305		
ì		C159	0CE1044K638	0.1M SRA 50V M FM5 TP(5)			C306		
1		C160	OCN5610K518	560P 50V KB TA26		ł	C307		
1		C161	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)	1	-	C308		
		C162	0CN1030F678	0.01M 16V M Y TA26		1	C309		
		C163	0CX1200K408	12P 50V J SL TA26	П	- 1	C310		
		C164	0CX1000K408	10P 50V JSL TA26			C312		
		C165	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)			C313		
1		C166		100P 50V KB TA26			C314		
		C167	OCN1030F678	0.01M 16V M Y TA26			C315		
		C168	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)	1	1	C316		
1		C169	0CN1040K948	0.1UF 50V Z F TA26 D		1	C317		
		C170	0CN1040K948	0.1UF 50V Z F TA26 D	1		C319		
	_	C171	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)	L	┸	_ C320		

s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
	Γ	C172	0CE1074F638	100U SRA 16V M FM5 TP(5)
		C174	0CN1030F678	0.01M 16V M Y TA26
	1	C175	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C176	0CE4763F638	47M SRE 16V M FM5 TP(5)
		C180	0CX5600K408	56P 50V J SL TA26
	ŀ	C181	OCN1020K518	1000P 50V KB TA26
		C182	0CX1200K408	12P 50V JSL TA26
	l	C183	0CX2700K408	27P 50V JSL TA26
	1	C184	0CX4700K408	47P 50V J SL TA26
	l	C201	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
	l	C202	OCN1030F678	0.01M 16V M Y TA26
	1	C206	0CE4763F638	47M SRE 16V M FM5 TP(5)
	ĺ	C207	0CN1030F678	0.01M 16V M Y TA26
		C208	0CE1064K638	10M SRA 50V M FM5 TP(5)
		C209	0CE4763F638	47M SRE 16V M FM5 TP(5)
	ļ	C210	0CN2230H948	0.022M 25V Z F TA26 1.0M SRA/SS50V M FM5 TP(5)
		C213	0CE1054K638	1.0M SRA/SSOUV M FM5 TP(5)
	l	C214	0CE4763F638	47M SRE 16V M FM5 TP(5)
ŀ		C215	0CE4763F638	0.01M 16V M Y TA26
		C216	0CN1030F678 0CE4753K638	4.7M SRE 50V M FM5 TP(5)
		C217	0CE4753K636 0CN1030F678	0.01M 16V M Y TA26
		C218	0CN1030F678	150P 50V KB TA26
	1	C219 C221	0CN1020K518	1000P 50V KB TA26
		C222	0CN1020K518	1000P 50V KB TA26
	ļ	C223	0CE4763F638	47M SRE 16V M FM5 TP(5)
	1	C224	0CN1040K948	0.1UF 50V Z F TA26 D
1	1	C301	0CH4101K416	100P 50V J NP0 2.0*1.25 R/TP
1	ı	C302	0CH4101K416	100P 50V J NP0 2.0*1.25 R/TP
l		C303	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
l		C304	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
l		C305	0CH1123K516	0.0120UF 50V K B(5YP) 2012 R/T
l		C306	0CE4754K638	4.7M SRA 50V M FM5 TP(5)
	1	C307	0CE2254K638	2.2M SRA 50V M FM5 TP(5)
	[	C308	0CH1104K946	0.1UF 50V Z Y5V(F) 2012 R/TP
		C309	0CE1064F638	10M SRA 16V M FM5 TP(5)
i		C310	0CH1104K946	0.1UF 50V Z Y5V(F) 2012 R/TP
l	1	C312	0CH4360K416	36PF 50V J NPO 2012 R/TP
l		C313	0CE1044K638	0.1M SRA 50V M FM5 TP(5)
	1	C314	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C315	0CH1103K516	0.01U 50V KB 2.0X1.25 B/TP
		C316	0CE2244K638	0,22M SRA 50V M FM5 TP(5)
	1	C317	0CE2244K638	0.22M SRA 50V M FM5 TP(5)
	1	C319	0CH1223H516	0.022U 25V K B 2.0X1.25 R/TP
		C320	0CE2254K638	2.2M SRA 50V M FM5 TP(5)
	1_			1

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s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C321	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
	١,	C322	0CE4744K638	0.47M SRA 50V M FM5 TP(5)
		C323	0CE2264F638	22M SRA 16V M FM5 TP(5)
		C324	0CE2254K638	2.2M SRA 50V M FM5 TP(5)
	l	C325	0CH4470K416	47P 50V J NPO 2.0X1.25 R/TP
	1	C326	0CH1103K516 0CE2264F638	0.01U 50V KB 2.0X1.25 R/TP 22M SRA 16V M FM5 TP(5)
		C327 C328	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
İ		C329	0CH1473K516	0.047U 50V K X7R 2.0X1.2 R/TP
	İ	C330	0CE1064F638	10M SRA 16V M FM5 TP(5)
1		C331	0CE1064F638	10M SRA 16V M FM5 TP(5)
l	1	C332	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
	l	C333	0CE4744K638	0.47M SRA 50V M FM5 TP(5)
1	1	C334	0CE3344K638	0.33M SRA 50V M FM5 TP(5)
l	1	C335	0CE4744K638	0.47M SRA 50V M FM5 TP(5)
١		C336	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP 0.01U 50V KB 2.0X1.25 R/TP
ı	1	C337 C338	0CH1103K516 0CH4120K416	12P 50V NPO 2.0X1.25 R/TP
1		C339	0CE1044K638	0.1M SRA 50V M FM5 TP(5)
l	1	C340	0CH4331K416	330P 50V J NP0 2.0X1.2 R/TP
l	İ	C341	0CH4121K416	120P 50V J NP0 2.0X1.2 R/TP
		C342	0CH4270K416	27P 50V J COG 2.0X1.2 R/TP
1		C343	0CH4150K416	15P 50V J COG 2.0X1.2 R/TP
		C344	0CH4121K416	120P 50V J NPO 2.0X1.2 R/TP
		C345	0CH4470K416 0CH4100K416	47P 50V J NPO 2.0X1.25 R/TP 10PF 50V J NPO 2012 R/TP
1		C346 C347	0CH4151K416	150P 50V J NP0 2.0X1.2 R/TP
ı		C348	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
1		C349	0CH1104K946	0.1UF 50V Z Y5V(F) 2012 R/TP
L		C350	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
1		C351	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
ı		C352	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C353	0CH1104K946	0.1UF 50V Z Y5V(F) 2012 R/TP 47M SRA/SS 16V M FM5 TP(5)
		C354 C355	0CE4764F638 0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
1		C356	0CH1104K946	0.1UF 50V Z Y5V(F) 2012 R/TP
1	1	C357	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
ı		C358	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C359	0CH1104K946	0.1UF 50V Z Y5V(F) 2012 R/TP
1	ŀ	C360	0CE2274C638	220M SRA 6.3V M FM5 TP(5)
1		C361 C362	0CH1104K946 0CE1064F638	0.1UF 50V Z Y5V(F) 2012 R/TP 10M SRA 16V M FM5 TP(5)
ı	1	C363	0CH1104K946	0.1UF 50V Z Y5V(F) 2012 R/TP
1		C364	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
1		C365	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
1		C366	0CH4331K416	330P 50V J NP0 2.0X1.2 R/TP
ı		C367	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
1	1	C368	0CH1223H516	0.022U 25V K B 2.0X1.25 R/TP 0.022U 25V K B 2.0X1.25 R/TP
1		C369 C370	0CH1223H516 0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
	1	C371	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
1		C372	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
1		C373	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C374	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C375	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C376	0CH1223H516	0.022U 25V K B 2.0X1.25 R/TP 100P 50V J NP0 2.0*1.25 R/TP
		C377	0CH4101K416 0CH4680K416	100P 50V J NP0 2.01.25 H/TP 68P 50V J COG 2.0X1.2 R/TP
1		C379	0CH4680K416	47P 50V J NP0 2.0X1.25 R/TP
		C380	0CH4270K416	27P 50V J COG 2.0X1.2 R/TP
1	1	C381	0CH4330K416	33P 50V J C 2.0X1.2 R/TP
	1	C382	0CH4180K416	18P 50V J C 2.0X1.2 R/TP
L			1	

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\$	AL	LOCANO	PART NO(GS)	SPECIFICATION
		C383	OCH4180K416	18P 50V J C 2.0X1.2 R/TP
		C384	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
Į		C385	0CH4101K416	100P 50V J NP0 2.0*1.25 R/TP 0.01U 50V K B 2.0X1.25 R/TP
	l	C386 C387	0CH1103K516 0CH4390K416	39P 50V J COG 2.0X1.2 R/TP
	ĺ	C388	0CH4470K416	47P 50V J NPO 2.0X1.25 R/TP
		C389	0CH1103K516	0.01U 50V K B 2.0X1.25 R/TP
		C390	0CH4470K416	47P 50V J NP0 2.0X1.25 R/TP
		C391	0CH4220K416	22P 50V J NPO 2.0X1.25 R/TP
	1	C392	0CH4150K416	15P 50V J COG 2.0X1.2 R/TP
		C393	0CH4330K416	33P 50V J C 2.0X1.2 R/TP 68P 50V J COG 2.0X1.2 R/TP
	١	C394 C395	0CH4680K416 0CH4150K416	15P 50V J COG 2.0X1.2 R/TP
	l	C396	0CH4150K416	15P 50V J COG 2.0X1.2 R/TP
		C397	0CH1223H516	0.022U 25V K B 2.0X1.25 R/TP
-	1	C398	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C399	OCH4820K416	82P 50V J COG 2.0X1.2 R/TP
	1	C3A1	OCH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C3A2	0CH1103K516	0.01U 50V K B 2.0X1.25 R/TP 0.047U 50V K X7R 2.0X1.2 R/TP
	1	C3A3 C3A4	0CH1473K516 0CH4560K416	56P 50V J NPO 2.0X1.25 R/TP
		C3A5	0CH4101K416	100P 50V J NPO 2.0*1.25 R/TP
		C3A6	0CH1104K946	0.1UF 50V Z Y5V(F) 2012 R/TP
		C3A7	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
	•	C3A8	0CH1104K946	0.1UF 50V Z Y5V(F) 2012 R/TP
	1	C3A9	0CE4754K638	4.7M SRA 50V M FM5 TP(5)
		C3B1	0CE2254K638	2.2M SRA 50V M FM5 TP(5) 2.2M SRA 50V M FM5 TP(5)
		C382 C383	0CE2254K638 0CH1104K946	0.1UF 50V Z Y5V(F) 2012 R/TP
	1	C3B4	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C3B5	0CH4271K416	270P 50V J COG 2.0X1.2 R/TP
		C3B6	0CH4270K416	27P 50V J COG 2.0X1.2 R/TP
		C387	0CH4270K416	27P 50V J COG 2.0X1.2 R/TP
		C3B8	OCH4271K416	270P 50V J COG 2.0X1.2 R/TP
	1	C3B9 C3C1	0CH4221K416 0CH4820K416	220P 50V J 2.0X1.25 R/TP 82P 50V J COG 2.0X1.2 R/TP
		C3C2	0CH4271K416	270P 50V J COG 2.0X1.2 R/TP
	1	C3C3	0CH4101K416	100P 50V J NP0 2.0*1.25 R/TP
	1	C3C4	0CH4181K416	180P 50V J NP0 2.0*1.25 R/TP
	ļ	C3C5	0CH4271K416	270P 50V J COG 2.0X1.2 R/TP
		C3C6	0CH4270K416	27P 50V J COG 2.0X1.2 R/TP
	1	C3C7	0CH4271K416	270P 50V J COG 2.0X1.2 R/TP 100P 50V J NP0 2.0*1.25 R/TP
ĺ		C3C8	0CH4101K416 0CH4270K416	27P 50V J COG 2.0X1.2 R/TP
ĺ		C3D1	0CH4330K416	33P 50V J C 2.0X1.2 R/TP
	1	C3D2	OCH1103K516	0.01U 50V K B 2.0X1.25 R/TP
		C3D3	0CE1064F638	10M SRA 16V M FM5 TP(5)
ı		C3D4	0CH4470K416	47P 50V J NP0 2.0X1.25 R/TP
		C3D5	0CH4470K416	47P 50V J NPO 2.0X1.25 R/TP
		C3D6 C3D7	0CH4470K416 0CH1104K946	47P 50V J NP0 2.0X1.25 R/TP 0.1UF 50V Z Y5V(F) 2012 R/TP
	1	C3D7	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C3D9	0CH1104K946	0.1UF 50V Z Y5V(F) 2012 R/TP
		C401	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
	1	C402	0CH4080K116	8P 50V D NP0 2.0X1.25 R/TP
ĺ		C403	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C404	0CE1074F638	100U SRA 16V M FM5 TP(5)
		C405 C406	0CH4102K406 0CE4754K638	1000P 50V J SL 2.0X1.2 R/TP 4.7M SRA 50V M FM5 TP(5)
		C406	0CE4754K638	0.01U 50V K B 2.0X1.25 R/TP
1		C408	0CH4470K416	47P 50V J NPO 2.0X1.25 R/TP
		C409	0CH4050K016	5P 50V C COG 2.0X1.2 R/TP
ı	- 1		1	

s	AL LOCA.NO	PART NO(GS)	SPECIFICATION
Γ	C410	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
	C411	0CH1104K946	0.1UF 50V Z Y5V(F) 2012 R/TP
ł	C412	0CE2274C638	220M SRA 6.3V M FM5 TP(5)
	C413	0CH1104K946	0.1UF 50V Z Y5V(F) 2012 R/TP 220M SRA 6.3V M FM5 TP(5)
	C414 C415	0CE2274C638 0CH1104K946	0.1UF 50V Z Y5V(F) 2012 R/TP
	C416	0CH1104K946	0.1UF 50V Z Y5V(F) 2012 R/TP
1	C417	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
l	C418	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
l	C419	0CH1104K946	0.1UF 50V Z Y5V(F) 2012 R/TP
l	C420	OCH4080K116	8P 50V D NP0 2.0X1.25 R/TP
1	C421	0CH4100K416	10PF 50V J NP0 2012 R/TP
1	C422	OCH4390K416	39P 50V J COG 2.0X1.2 R/TP
1	C423 C424	0CH4430K416	43PF 50V J NPO 2012 R/TP
	C424	0CH1103K516 0CH4100K416	0.01U 50V KB 2.0X1.25 R/TP 10PF 50V J NPO 2012 R/TP
	C425	0CH4080K116	8P 50V D NPO 2.0X1.25 R/TP
1	C427	0CH4390K416	39P 50V J COG 2.0X1.2 R/TP
1	C428	0CE4744K638	0.47M SRA 50V M FM5 TP(5)
1	C429	0CH4470K416	47P 50V J NP0 2.0X1.25 R/TP
1	C430	0CH4330K416	33P 50V J C 2.0X1.2 R/TP
1	C431	OCH1103K516	0.01U 50V KB 2.0X1.25 R/TP
1	C432	OCH4080K116	8P 50V D NP0 2.0X1.25 R/TP
	C433	0CH4100K416	10PF 50V J NP0 2012 R/TP
	C434	0CH4390K416	39P 50V J COG 2.0X1.2 R/TP
ı	C435 C436	0CH4330K416 0CE4744K638	33P 50V J C 2.0X1.2 R/TP 0.47M SRA 50V M FM5 TP(5)
ı	C437	0CH4470K416	47P 50V J NP0 2.0X1.25 R/TP
	C438	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
1	C439	0CE4744K638	0.47M SRA 50V M FM5 TP(5)
1	C440	0CH4470K416	47P 50V J NP0 2.0X1.25 R/TP
1	C441	0CH1104K946	0.1UF 50V Z Y5V(F) 2012 R/TP
	C442	0CH1104K946	0.1UF 50V Z Y5V(F) 2012 R/TP
Ì	C443	0CH1104K946	0.1UF 50V Z Y5V(F) 2012 R/TP
	C444 C445	0CH1104K946 0CH1104K946	0.1UF 50V Z Y5V(F) 2012 R/TP
ı	C447	0CH1104K546	0.1UF 50V Z YSV(F) 2012 R/TP 0.01U 50V K B 2.0X1.25 R/TP
ŀ	C448	0CE3354K638	3.3M SRA 50V M FM5 TP(5)
Ì	C449	0CH4120K416	12P 50V NPO 2.0X1.25 R/TP
ĺ	C450	0CH4330K416	33P 50V J C 2.0X1.2 R/TP
1	C451	0CH4060K116	6PF 50V D NP0 2012 R/TP
1	C452	0CH4100K416	10PF 50V J NP0 2012 R/TP
1	C453	0CE1044K638	0.1M SRA 50V M FM5 TP(5)
1	C454	0CH4470K416	47P 50V J NPO 2.0X1.25 R/TP
1	C459 C460	0CE4764F638 0CH1103K516	47M SRAYSS 16V M FM5 TP(5) 0.01U 50V K B 2.0X1.25 R/TP
1	C460	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
1	C462	0CH4100K416	10PF 50V J NPO 2012 R/TP
1	C463	0CH4060K116	6PF 50V D NP0 2012 R/TP
1	C464	0CH4330K416	33P 50V J C 2.0X1.2 R/TP
1	C465	0CH4120K416	12P 50V NPO 2.0X1.25 R/TP
1	C466	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
1	C467	0CH1104K946	0.1UF 50V Z Y5V(F) 2012 R/TP
1	C468	0CH1104K946	0.1UF 50V Z Y5V(F) 2012 R/TP
1	C469	0CH1104K946	0.1UF 50V Z Y5V(F) 2012 R/TP
ŀ	C470 C472	0CH1104K946 0CH4470K416	0.1UF 50V Z Y5V(F) 2012 R/TP 47P 50V J NP0 2.0X1.25 R/TP
1	C472	0CH4470K416	47P 50V J NPO 2.0X1.25 R/TP
1	C474	0CH4470K416	47P 50V J NP0 2.0X1.25 R/TP
	C475	0CH4470K416	47P 50V J NPO 2.0X1.25 R/TP
1	C476	0CH4470K416	47P 50V J NP0 2.0X1.25 R/TP
1	C477	0CH4470K416	47P 50V J NP0 2.0X1.25 R/TP
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	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C478	0CH4470K416	47P 50V J NP0 2.0X1.25 R/TP
1		C479	0CH4470K416	47P 50V J NP0 2.0X1.25 R/TP
j		C480	0CH4470K416	47P 50V J NP0 2.0X1.25 R/TP
		C484	OCH1104K946	0.1UF 50V Z Y5V(F) 2012 R/TP
i		C485	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C487	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C490	0CH4180K416	18P 50V J C 2.0X1.2 R/TP
		C501	0CE4775C638	470M SR 6.3V M FM5 TP(5)
ı		C502	0CN1040K948	0.1UF 50V Z F TA26 D
		C503	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
	1	C504	0CN2230H948	0.022M 25V Z F TA26
		C505	0CN5610K518	560P 50V KB TA26
		C506	0CN2230H948	0.022M 25V Z F TA26
		C507	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C508	0CN1030F678	0.01M 16V M Y TA26
		C509	0CN1030F678	0.01M 16V M Y TA26
		C510	0CE4754K638	4.7M SRA 50V M FM5 TP(5)
	ĺ	C511	0CN1040K948	0.1UF 50V Z F TA26 D
	l	C512	0CE1074F638	100U SRA 16V M FM5 TP(5)
	1	C513	0CE4764H638	47M SRA 25V M FM5 TP(5)
	l	C514	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C515	0CK1030K945	0.01UF 50V Z F TR
	1	C516	0CK1040K945	0.1M 50V ZF TS
		C517	0CK2230K945	0.022M 50V Z F TS
		C521	0CN1030F678	0.01M 16V M Y TA26
•		C522	0CN1030F678	0.01M 16V M Y TA26
		C524	0CN2230H948	0.022M 25V Z F TA26
	l	C525	0CN1810K518	180P 50V KB TA26
		C526	0CN2230H948	0.022M 25V Z F TA26
	ı	C527	0CE3364F638	33M SRA 16V M FM5 TP(5)
		C528	OCN1220F668	1200P 16V M X TA26
		C529 C530	0CN6810K518 0CC1800K415	680P 50V KB TA26 18P 50V JNP0 TS
			0CC1800K415	
	1	C531 C532	0CC1500K415	18P 50V JNPO TS 15P 50V JNPO TS
	1	C532	0CC1500K415	15P 50V JNPO TS
		C534	0CN2230H948	0.022M 25V Z F TA26
	l	C535	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C536	0CN1040K948	0.1UF 50V Z F TA26 D
		C537	0CN1030F678	0.01M 16V M Y TA26
		C539	0CN1030F678	0.01M 16V M Y TA26
	1	C541	0CN1040K948	0.1UF 50V Z F TA26 D
	1	C548	0CK1020K515	1000P 50V KB TS
	1	C551	0CN1020K518	1000P 50V KB TA26
		C552	OCN2230H948	0.022M 25V Z F TA26
		C553	OCN1020K518	1000P 50V KB TA26
		C555	0CN2720F668	2700P 16V M X TA26
		C556	0CE4763F638	47M SRE 16V M FM5 TP(5)
		C557	0CN1020K518	1000P 50V KB TA26
		C559	0CN1020K518	1000P 50V KB TA26
		C567	0CN1030F678	0.01M 16V M Y TA26
	1	C568	0CN1030F678	0.01M 16V M Y TA26
		C569	0CQ4732K409	0.047UF S 50V J PE TP
		C570	0CQ3332K409	0.033UF S 50V J PE TP
		C572	0CN1040K948	0.1UF 50V Z F TA26 D
		C580	0CN1030F678	0.01M 16V M Y TA26
	1	C601	0CN1040K948	0.1UF 50V Z F TA26 D
	1	C602	0CE2244K638	0.22M SRA 50V M FM5 TP(5)
		C603	0CX1000K408	10P 50V JSL TA26
		C604	0CX1000K408	10P 50V JSL TA26
	1	C605	0CE2244K638	0.22M SRA 50V M FM5 TP(5)
		C606	OCN1040K948	0.1UF 50V Z F TA26 D
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s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C607	OCN1040K948	0.1UF 50V Z F TA26 D
		C608	0CX1000K408	10P 50V J.SL TA26
		C609	0CE2244K638	0.22M SRA 50V M FM5 TP(5)
		C610	0CE2244K638	0.22M SRA 50V M FM5 TP(5)
l		C611	0CX1000K408	10P 50V J SL TA26 0.1UF 50V Z F TA26 D
		C612 C613	0CN1040K948 0CN1040K948	0.1UF 50V Z F TA26 D
	1	C614	0CN1040K948	0.1UF 50V Z F TA26 D
		C615	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C616	0CE4764F638	47M SRAYSS 16V M FM5 TP(5)
ŀ		C617	0CN3910K518	390P 50V KB TA26
	ļ	C618	0CN1030F678	0.01M 16V M Y TA26
		C619	0CN1030F678	0.01M 16V M Y TA26
	l	C620	0CE3344K638	0.33M SRA 50V M FM5 TP(5)
1	1	C621	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
l	l	C622	0CN2230H948	0.022M 25V Z F TA26
l		C623	0CE4764F638	47M SRAYSS 16V M FM5 TP(5)
ĺ	1	C624	0CN2230H948	0.022M 25V Z F TA26
		C625	0CN1030F678	0.01M 16V M Y TA26
1	1	C626	0CN1220F668	1200P 16V M X TA26
Ĺ	1	C627	0CN1010K518	100P 50V KB TA26
1	ļ	C628	OCN3310K518	330P 50V K B TA26
1	1	C629	OCN1030F678	0.01M 16V M Y TA26
	1	C630	0CX6800K408	68P 50V J SL TA26
		C631	0CX1800K408	18P 50V J.SL TA26
l		C632	0CN1510K518	150P 50V KB TA26
İ		C633	0CN1030F678	0.01M 16V M Y TA26 22P 50V J SL TP26
1		C634 C635	0CX2200K408 0CN1030F678	
1	1	C636	0CN1030F678	0.01M 16V M Y TA26 0.01M 16V M Y TA26
1	1	C637	0CN1030F678	0.01M 16V M Y TA26
1	1	C638	0CE4764F638	47M SRAYSS 16V M FM5 TP(5)
1	1	C639	0CN1510K518	150P 50V KB TA26
		C640	0CN1030F678	0.01M 16V M Y TA26
١		C641	0CN1510K518	150P 50V KB TA26
ĺ	1	C642	0CN1020K518	1000P 50V KB TA26
ı	1	C643	0CN3310K518	330P 50V K B TA26
ı	l	C645	0CN1030F678	0.01M 16V M Y TA26
ı	l	C646	.0CN1040K948	0.1UF 50V Z F TA26 D
		C647	0CN1030F678	0.01M 16V M Y TA26
1		C648	OCN3910K518	390P 50V KB TA26
1	1	C649	0CN1040K948	0.1UF 50V Z F TA26 D
1		C650	0CN1030F678	0.01M 16V M Y TA26
1		C701	0CE4754K638	4.7M SRA 50V M FM5 TP(5)
1	1	C702	0CN1020K518	1000P 50V KB TA26
1	1	C703	0CE1064F638	10M SRA 16V M FM5 TP(5)
1	1	C704	0CN1030F678	0.01M 16V M Y TA26
1		C705 C706	0CN1040K948 0CE1074F638	0.1UF 50V Z F TA26 D
1	1	C706		100U SRA 16V M FM5 TP(5)
1	1	C709	0CE1064F638 0CE2274C638	10M SRA 16V M FM5 TP(5) 220M SRA 6.3V M FM5 TP(5)
1		C711	0CE2274C638	1.0M SRA/SS50V M FM5 TP(5)
1		C712	0CK1030K945	0.01UF 50V Z F TR
1	1	C713	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
l	1	C714	0CQ1032K409	0.01UF S 50V J PE TP
1		C715	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
1	1	C716	0CQ1522K409	1500PF S 50V J PE TP
1	1	C717	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
1		C718	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C719	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
1	1	C720	0CN1030F678	0.01M 16V M Y TA26
į –	1	C721	0CE2264F638	22M SRA 16V M FM5 TP(5)
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s	AL LOCAN	PART NO(GS)	SPECIFICATION
	C722	0CN1040K948	0.1UF 50V Z F TA26 D
	C723	0CN1040K948	0.1UF 50V Z F TA26 D
	C732	0CX2400K408	24P 50V J SL TA26
	C733	0CX4700K408	47P 50V JSL TA26
l	C735	0CK1030K945	0.01UF 50V Z F TR
ı	C736	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
	C737	OCN1030F678 OCN1010K518	0.01M 16V M Y TA26 100P 50V KB TA26
	C751 C752	0CN2230H948	0.022M 25V Z F TA26
	C752	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
	C754	0CE2254K638	2.2M SRA 50V M FM5 TP(5)
	C755	0CE2254K638	2.2M SRA 50V M FM5 TP(5)
ĺ	C756	0CE1064F638	10M SRA 16V M FM5 TP(5)
	C757	0CE2254K638	2.2M SRA 50V M FM5 TP(5)
l	C758	0CE2254K638	2.2M SRA 50V M FM5 TP(5)
	C759	0CE2274C638	220M SRA 6.3V M FM5 TP(5)
ĺ	C760	0CC4700K415	47P 50V J NPO TP
ı	C761	0CQ3921N409	0.0039U 100V J POLY TP
l	C762	0CN1040K948	0.1UF 50V Z F TA26 D
ı	C763	0CQ1031N409	0.01UF 100V J PE TP 10M SRA 16V M FM5 TP(5)
1	C764	0CE1064F638 0CQ1232K409	0.012U S 50V J TS TP
	C768	0CQ1232K409	0.012U S 50V J TS TP
i	C769	0CN2230H948	0.022M 25V Z F TA26
1	C770	0CN2230H948	0.022M 25V Z F TA26
l	C771	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
l	C772	0CN2210K518	220P 50V KB TA26
l	C815	0CE1064F638	10M SRA 16V M FM5 TP(5)
	C816	0CE1064F638	10M SRA 16V M FM5 TP(5)
1	C817	0CE2264F638	22M SRA 16V M FM5 TP(5)
1	C818 C819	0CE2264F638 0CE1054K638	22M SRA 16V M FM5 TP(5) 1.0M SRA/SS50V M FM5 TP(5)
1	C820	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
1	C821	0CQ4722K409	0.0047U S 50V J TS TP
1	C822	0CE1064F638	10M SRA 16V M FM5 TP(5)
ı	C823	0CN1040K948	0.1UF 50V Z F TA26 D
ı	C824	0CQ2232K409	0.022UF S 50V J PE TP
ı	C825	0CQ4722K409	0.0047U S 50V J TS TP
	C826	0CE1074F638	100U SRA 16V M FM5 TP(5)
1	C827	0CQ1532K409	0.015UF S 50V J PE TP
1	C828	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
	C829	0CE4764F638 0CN1030F678	47M SRA/SS 16V M FM5 TP(5) 0.01M 16V M Y TA26
	C831	0CN1030F678	10M SRA 16V M FM5 TP(5)
1	C832	0CQ1022K409	1000PF S 50V J PE TP
1	C833	0CE1064F638	10M SRA 16V M FM5 TP(5)
	C834	0CN2720F668	2700P 16V M X TA26
	C835	0CE2264F638	22M SRA 16V M FM5 TP(5)
	C836	0CN1040K948	0.1UF 50V Z F TA26 D
1	C837	0CN4720F668	4700P 16V M X TA26
1	C838	0CE1064F638	10M SRA 16V M FM5 TP(5)
1	C839	0CE1064F638	10M SRA 16V M FM5 TP(5)
	C840	0CE2254K638	2.2M SRA 50V M FM5 TP(5) 10M SRA 16V M FM5 TP(5)
	C841 C842	0CE1064F638 0CE1064F638	10M SRA 16V M FM5 TP(5) 10M SRA 16V M FM5 TP(5)
1	C843	0CE1004F638	4700P 16V M X TA26
	C844	0CN4720F008	0.1UF 50V Z F TA26 D
	C845	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
	C846	0CN1030F678	0.01M 16V M Y TA26
	C847	0CE1064F638	10M SRA 16V M FM5 TP(5)
	C848	0CN2230H948	0.022M 25V Z F TA26
1	C849	0CN2230H948	0.022M 25V Z F TA26
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		C850	0CE2274C638	220M SRA 6.3V M FM5 TP(5)
		C851	0CN1030F678	0.01M 16V M Y TA26
		C853	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C854	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C855	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C856	0CQ1032K409	0.01UF S 50V J PE TP
	1	C857	0CQ1032K409	0.01UF S 50V J PE TP
		C858 C859	0CQ3931N409 0CN2210K518	0.039UF 100V J PE TP 220P 50V KB TA26
		C860	0CH2210K518 0CE1064F638	220P 50V KB TA26 10M SRA 16V M FM5 TP(5)
		C861	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C862	OCN1040K948	0.1UF 50V Z F TA26 D
		C863	0CN1040K948	0.1UF 50V Z F TA26 D
		C864	0CN1040K948	0.1UF 50V Z F TA26 D
		C870	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C871	0CQ1032K409	0.01UF S 50V J PE TP
		C872	0CQ1032K409	0.01UF S 50V J PE TP
		C873	0CQ5632K409	0.0560UF S 50V J PE TP
		C874	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C876	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C877	0CN4710K518	470P 50V KB TA26
		C878	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C879	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C881	0CE1063F638	10M SRE/SE 16V M FM5 TP(5)
		C882	0CE1073F638	100M SRE 16V M FM5 TP(5)
		C883	0CN1030F678	0.01M 16V M Y TA26
	[	C884	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C885	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C887	0CE1064F638	10M SRA 16V M FM5 TP(5)
	1	C901 C902	0CN1020K518 0CN1020K518	1000P 50V KB TA26 1000P 50V KB TA26
		C902	0CN1020K518 0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C905	0CE4764F636 0CN1040K948	0.1UF 50V 2 F TA26 D
		C906	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C908	0CN1040K948	0.1UF 50V Z F TA26 D
		C909	0CN1010K518	100P 50V KB •TA26
		C910	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C911	0CE4775C638	470M SR 6.3V M FM5 TP(5)
		C912	0CE4775C638	470M SR 6.3V M FM5 TP(5)
		C913	0CN1030F678	0.01M 16V M Y TA26
		C914	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C915	0CX4300K408	43P 50V J SL TA26
		C916	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C917	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C918	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C919	0CN4710K518	470P 50V KB TA26
		C920	0CN1020K518	1000P 50V KB TA26
	1 1	C923	0CX1000K408	10P 50V JSL TA26
		C924 C925	0CE1074F638	100U SRA 16V M FM5 TP(5)
		C925 C926	0CN1030F678 0CE4744K638	0.01M 16V M Y TA26 0.47M SRA 50V M FM5 TP(5)
		C927	0CE4744K638	
		C929	0CE4744N638 0CE4775C638	0.47M SRA 50V M FM5 TP(5) 470M SR 6.3V M FM5 TP(5)
		C930	0CE47/5C638	47M SRA/SS 16V M FM5 TP(5)
-		C931	0CN1030F678	0.01M 16V M Y TA26
-		C932	0CE2264F638	22M SRA 16V M FM5 TP(5)
		C933	0CE2264F638	22M SRA 16V M FM5 TP(5)
ĺ		C934	0CE2264F638	22M SRA 16V M FM5 TP(5)
	Ιİ	C935	0CE2264F638	22M SRA 16V M FM5 TP(5)
		C936	0CN1020K518	1000P 50V KB TA26
		C937	0CN4710K518	470P 50V KB TA26
		C940	0CX1000K408	10P 50V JSL TA26

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s	AL	LOCANO	PART NO(GS)	SPECIFICATION
		C943	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C944	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C945	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C946	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C947	0CE4744K638	0.47M SRA 50V M FM5 TP(5)
		C948	0CE4744K638	0.47M SRA 50V M FM5 TP(5)
		C949	0CE1074F638	100U SRA 16V M FM5 TP(5)
		C950	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
	1	C9A2	0CN4710K518	470P 50V KB TA26
	1	C9A8	0CN4710K518	470P 50V KB TA26
		C9A9	OCN1010K518	100P 50V KB TA26
	OR		624-088B	ECQU2A104MV 0.1UF/250V MATSUSI
		CP01	624-088F	PCX2 275V 0.1UF,M (PILKO)
	OR	CP02	624-0888	ECQU2A104MV 0.1UF/250V MATSUSI
		CP02	624-088F	PCX2 275V 0.1UF,M (PILKO)
		CP03	0CG2210U610	220 PF 400V M B R(NK,AD,SD)
	١.	CP04	0CQ1041N409	0.1U 100V JPOLY TP
	1	CP05	624-082C	100MF/400V SHL SMPS S/Y
		CP06	0CE336BH638	33UF KME 25V M FM5 TP5
	1	CP07	0CQ5622K409	5600PF S 50V J PE TP
	ı	CP08	0CQ4731N409	0.047U 100V J POLY TP
	l	CP09	624-087A	HIGH-VOL 150P/1KV SMPS NEW-KOR
	l	CP10	0CE4744K638	0.47M SRA 50V M FM5 TP(5)
	ı	CP11	0CE1064F638	10M SRA 16V M FM5 TP(5)
	l	CP12	0CE1088F630	1000UF KME 16V M FMS BULK
	l	CP13	0CE1086D638	1000UF SMS 10V M FM5 TP5
	1	CP14	624-085D	CE 47UF/50V KME (SMPS)
	1	CP15	0CE1064F638	10M SRA 16V M FM5 TP(5)
	1	CP16	0CE108BH630	1000UF KME TYPE 25V M FM5 BULK
	1	CP17	0CE477BH638	470UF KME 25V M FM5 TP5
	1	CP18 CP19	624-085D 0CE1074F638	CE 47UF/50V KME (SMPS) 100U SRA 16V M FM5 TP(5)
		CP20	0CE1064F638	1000 SRA 16V M FM5 TP(5)
		CP21	0CE1064F638	10M SRA 16V M FM5 TP(5)
	1	CP24	0CQ1031Y519	0.01UF D 630V K PE NI TP
		CP25	0CE1064F638	10M SRA 16V M FM5 TP(5)
		CP27	0CE1064F638	10M SRA 16V M FM5 TP(5)
	İ	CP28	0CE1064F638	10M SRA 16V M FM5 TP(5)
	l	CP29	0CQ1022K409	1000PFS 50V J PE TP
	ŀ	CP30	0CE1064F638	10M SRA 16V M FM5 TP(5)
	l	CP40	0CG3320U642	3300 PF 400V M F FM (NK,AD,SD)
	l	CP41	0CE1064F638	10M SRA 16V M FM5 TP(5)
_	<u> </u>			<u> </u>
			DI	ODE

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BDP01   ODD160000DA   S1WBA60(1A 600V)   SHIDENK	EN
D152   ODD133009AA   ISS133 DETECT,SW TP	
D201   ODD133009AA   ISS133 DETECT,SW TP	
D210   ODD133009AA   ISS133 DETECT.SW TP	
D213   ODD133009AA   ISS133 DETECT,SW TP	
D301   ODD133009AA   ISS133 DETECT,SW TP	
D302   ODD133009AA   ISS133 DETECT,SW TP	
D303   ODD133009AA   ISS133 DETECT,SW TP   D502   ODD133009AA   ISS133 DETECT,SW TP   D507   ODD133009AA   ISS133 DETECT,SW TP   D507   ODD133009AA   ISS133 DETECT,SW TP	
D305   ODD133009AA   1SS133 DETECT,SW TP	
D502	
D507 0DD133009AA 1SS133 DETECT,SW TP	
100,000,000,000,000,000,000	
DEAD INDUMENDALE LANGUAGE PETERST OUT TO	
D509   0DD133009AA   1SS133 DETECT,SW TP	
D601 0DD133009AA 1SS133 DETECT,SW TP	
D602   0DD133009AA   1SS133 DETECT,SW TP	
D603 00D133009AA 1SS133 DETECT,SW TP	
D604   0DD133009AA   1SS133 DETECT,SW TP	
D605   0DD133009AA   1SS133 DETECT,SW TP	

s	AI	LOCA NO	PART NO(GS)	SPECIFICATION			
_	-			1SS133 DETECT,SW TP			
	1	D606	0DD133009AA	1SS133 DETECT,SW TP			
- (	(	D607	0DD133009AA				
		D901 D902	0DD133009AA 0DD133009AA	1SS133 DETECT,SW TP 1SS133 DETECT,SW TP			
		DP01	0DD207000AB	2A07 2A RECT(T/S)P=12.5 F DELT			
		DP02	0DD207000AB 0DD133009AA	1SS133 DETECT,SW TP			
		DP02	0DD133009AA	1SS133 DETECT,SW TP			
	ļ	DP04	0DD221009AA	ERA22-10 KFLB,TP ,R T/P,FWI			
	1	DP05	0D0010009AC	EU01W(R-FORM) TP SANKEN			
	1	DP06	0DD140000BA	FMBG14L SANKEN			
	l	DP08	0DD120000BC	FMPG12S SANKEN			
	1	DP09	0DD010009AC	EU01W(R-FORM) TP SANKEN			
		DP10	0DD010009AC	EU01W(R-FORM) TP SANKEN			
			LEVE	L METER			
	T	DIG201	6302R2P004A	SVV11MM16 PAL SUPER 15MM			
_			F	USE			
	Τ	FP01	585-011C	T 1.6A 250V S506			
			FI	LTER			
	T	FL301	6200RDB001A	A285TCIS-K5394 TOKO 12.44M TRA			
	1	FL302	6200RDB003A	A285TCHS-K5395 TOKO 5.68M TRA			
	1	FL303	.6200RDB002A	TH315LNMS-K5396TAD(1149) TOKO			
		FL751	616-038D	CERAMIC SFT5.5MA MURATA			
	1	FL752	616-038E	CERAMIC SFT5.74MA			
L	上	LP01	616-145H	SHT LFS2020V4-04350			
L				IC			
		IC002	01MA331700A	AN3317K PRE AMP 22DIP			
Į	1	IC101	01SM565000A	SDA5650 DIP14 BK VPS+PDS			
ĺ	ı	IC151	0ISA747619D	LC74761M-9725 30DIP BK OSD \$90			
l	1	IC201	01MA125100A	MN12510 QFP44 FLP DRIVE BA15218(HEAD-PHONE AMP)DIP			
ı		IC202	0IRH152180B	JCP0054 80QFP BK Y/C			
L	-	IC301	0J/005400A 0IHI118092A	HA118092FP 16SOP TP BUFFER			
l	- [	IC302 IC303	01M1623530A	M62353FP 16SOP TP D/A CONVERTO			
1	-	IC304	01JV207600B	VC2076DP (S-VHS EMPHASIS) DIP			
l	1	IC305	01AL241600B	AT24C16-10PC 8D EEPROM 16K			
ĺ		IC306	0ISS431000A	KA431AZ (LM431AZ)			
ļ	1	IC401	0UV004200A	JCP0042 100QFP BK SEPA			
1	-	IC403	0J/R224000B	NJM2240D DIP8 BK S/W			
۱		IC501	0IGS397737A	GMS3977RA-A37F 100QFP BK MICOM			
1	-	IC502	0ISS308200A	KA3082 10-SIP BK MOTOR DRIVE			
Ì		IC504	01KE703100A	KIA7031P 3P 3.1V RESET(TAPING)			
1		IC505	0IKE704200B	KIA7042P 3P 4.2V RESET(TAPING)			
ı		IC601	0HH118191A	HA118191NT PRE-AMP DIP			
1		IC701	0ISA701600A	LA7016 ANALOG SW			
1		IC751	0ITF286014A	U2860B DIP14 FM DEMOD			
ļ	- 1	IC752	01PH984000A	TDA9840 ST MATRIX			
1		IC802	01RH775500A	BA7755A(HEAD S/W)			
ļ		1C890	0ISS324000B	KA324 OP AMP			
	- [	IC901	01SG640000A				
1	- [	IC902	0ISA701600A	LA7016 ANALOG SW			
	- 1	IC903	0ISS324000B	KA324 OP AMP			
Į	- 1	ICP01	0IFE531100A	FA5311P PWM IC (FUJI) DIP			
١	J	OR ICP01	0iSS755200A				
		ICP03	0ISS431000A	KA431AZ (LM431AZ)			
	- 1	1	1	i			

;	AL	LOCANO	PART NO(GS)	SPECIFICATION
			ACK	
_				
		JK201	572-034S	BJP-202(YL) BAEEUN ST,2P BJP-202(WHITE) BAEEUN ST,2P
		JK202 JK203	572-034R 572-034Q	BJP-202(RED) BAEEUN ST,2P
		JK204	572-055A	MIC HSJ1406-01-010
		JK205	572-105A	TCS7940-01-2011 (HOSIDEN)
		JK901	572-034B 572-034C	PIN JPJ1022-01-020 (RED) PIN JPJ1022-01-030 (WH)
		JK902 JK906	572-053A	-S (IN) TCS7948-01-201
	<u>.                                    </u>		C	OIL
_	Т	BCP01	636-004C	BEAD CORE BF\$3550R2FD8,R T/P
	1	BD501	636-004C	BEAD CORE BF\$3550R2FD8,R T/P
		BD701	636-004C	BEAD CORE BFS3550R2FD8,R T/P
		BD901	636-004C 636-004C	BEAD CORE BFS3550R2FD8,R T/P BEAD CORE BFS3550R2FD8,R T/P
		8D902 L001	0LR3300J025	330UH 5% 4X5 TR5
		L002	0LA2200K018	220M K 2.3X3.4 L5 TP
	1	L101	0LR1000J025	100UH 5% 4X5 TR5
		L151 L152	0LR1000J025 0LR1000J025	100UH 5% 4X5 TR5
		L152	0LR1000J025	100UH 5% 4X5 TR5
		L155	OLR1000J025	100UH 5% 4X5 TR5
		L156	635-028A	EL0405SKI-5R6G-3 J-TDK 2% 5.6U 22M K 2.3X3.4 L5 TP
	1	L157 L158	0LA0222K018 0LA1000K018	100M K 2.3X3.4L5 TP
		L159	0LA0472K018	47M K 2.3X3.4 L5 TP
		L201	0LR1000J025	100UH 5% 4X5 TR5
		L202	OLA1000K018	100M K 2.3X3.4L5 TP 100M K 2.3X3.4L5 TP
		L203 L301	OLA1000K018 OLR8201J045	8200UH 5% 6X7 TR5
		L302	0LA0272K018	27M K 2.3X3.4 L5 TP
		L303	0LA0102K018	10M K 2.3X3.4 L5 TP
		L304 L305	0LA0562K018 0LA1500K018	56M K 2.3X3.4 L5 TP 150M K 2.3X3.4 L5 TP
		L305	0LA1000K018	100M K 2.3X3.4L5 TP
	1	L307	0LA0562K018	56M K 2.3X3.4 L5 TP
		L308	0LR0472J025	47UH 5% 4X5 TR5
	1	L309 L310	0LR0472J025 0LR0472J025	47UH 5% 4X5 TR5 47UH 5% 4X5 TR5
		L311	0LR0472J025	47UH 5% 4X5 TR5
		L312	0LR0472J025	47UH 5% 4X5 TR5
		L313	0LR0472J025	47UH 5% 4X5 TR5
	ļ	L314 L315	0LR0472J025 0LR0472J025	47UH 5% 4X5 TR5 47UH 5% 4X5 TR5
		L315	0LA0272K018	27M K 2.3X3.4 L5 TP
		L317	0LA0272K018	27M K 2.3X3.4 L5 TP
	1	L318	0LA0562K018	56M K 2.3X3.4 L5 TP
		L319 L320	0LA0182K018 0LA0152K018	18M K 2.3X3.4 L5 TP 15M K 2.3X3.4 L5 TP
		L320	0LA0152K018	33M K 2.3X3.4 L5 TP
		L322	0LA0392K018	39M K 2.3X3.4 L5 TP
		L323	0LA2200K018	220M K 2.3X3.4 L5 TP
		L324	0LA0102K018	10M K 2.3X3.4 L5 TP 2200M J 6X7 L5 TP
	- 1	L325 L326	0LR2201J045 0LA2200K018	220M K 2.3X3.4 L5 TP
	-	L401	0LA0102K018	10M K 2.3X3.4 L5 TP
		L402	0LR0472J025	47UH 5% 4X5 TR5
		L403	0LR0472J025 0LA0332K018	47UH 5% 4X5 TR5 33M K 2.3X3.4 L5 TP
	1	L404 L405	0LA0332K018 0LA0152K018	

L406 L407 L408 L410 L411 L411 L415 L416 L417 L418 L502 L503 L601 L602 L603 L604 L605 L607 L606 L607 L608	0LA0332K018 0LA0332K018 0LA0332K018 0LA0332K018 0LA0322K018 0LA0222K018 0LA0222K018 0LA0222K018 0LR0472J025 0LR0472J025 0LR0472J025 0LR0472J025 0LR1000K035 0LA1500K018 0LA1500K018 0LA1500K018 0LA1500K018 0LA1500K018	33M K 2.3X3.4 L5 TP 15M K 2.3X3.4 L5 TP 15M K 2.3X3.4 L5 TP 33M K 2.3X3.4 L5 TP 33M K 2.3X3.4 L5 TP 33M K 2.3X3.4 L5 TP 22M K 2.3X3.4 L5 TP 22M K 2.3X3.4 L5 TP 22M K 2.3X3.4 L5 TP 47UH 5% 4X5 TR5 47UH 5% 4X5 TR5 100UH 5% 4X5 TR5 100UH 5% 4X5 TR5 100UH 5% 4X5 TR5 100UH 5% 4X5 TR5 100W K 2.3X3.4 L5 TP 47M K 2.3X3.4 L5 TP 150M K 2.3X3.4 L5 TP 150M K 2.3X3.4 L5 TP 150M K 2.3X3.4 L5 TP
L408 L409 L410 L411 L414 L415 L416 L417 L418 L502 L503 L601 L602 L603 L604 L605 L606 L605 L606 L606 L609	0LA0332K018 0LA0152K018 0LA0322K018 0LA03222K018 0LA0222K018 0LA0222K018 0LR0472J025 0LR0472J025 0LR1000J025 0LR200J0	33M K 2.3X3.4 L5 TP 15M K 2.3X3.4 L5 TP 33M K 2.3X3.4 L5 TP 22M K 2.3X3.4 L5 TP 22M K 2.3X3.4 L5 TP 23M K 2.3X3.4 L5 TP 23M K 2.3X3.4 L5 TP 33M K 2.3X3.4 L5 TP 47UH 5% 4X5 TR5 47UH 5% 4X5 TR5 100UH 5% 4X5 TR5 100UH 5% 4X5 TR5 100M K 6X6 L5 TP 56M K 2.3X3.4 L5 TP 47M K 2.3X3.4 L5 TP 180M K 2.3X3.4 L5 TP
L409 L410 L411 L414 L415 L416 L417 L418 L502 L503 L601 L602 L603 L606 L607 L606 L607	0LA0152K018 0LA0322K018 0LA0222K018 0LA0222K018 0LR0472J025 0LR0472J025 0LR0472J025 0LR0472J025 0LR1000J025 0LR20J025 0LR20J025 0LR20J025 0LR20J025 0LR20J026 0LR20S0K018 0LA0562K018 0LA1500K018 0LA1500K018	15M K 2.3X3.4 L5 TP 33M K 2.3X3.4 L5 TP 22M K 2.3X3.4 L5 TP 22M K 2.3X3.4 L5 TP 33M K 2.3X3.4 L5 TP 33M K 2.3X3.4 L5 TP 47UH 5% 4X5 TR5 47UH 5% 4X5 TR5 100UH 5% 4X5 TR5 200M K 6X6 L5 TP 56M K 2.3X3.4 L5 TP 180M K 6.3X3.4 L5 TP 180M K 2.3X3.4 L5 TP
L410 L411 L414 L415 L416 L417 L418 L502 L503 L601 L602 L603 L605 L605 L606 L607 L608	0LA0332K018 0LA0222K018 0LA0222K018 0LA0232K018 0LR0472J025 0LR0472J025 0LR0472J025 0LR100J025 0LR100J025 0LR1000J025 0LR1000K035 0LA0562K018 0LA1500K018 0LA1500K018 0LA1562K018	33M K 2.3X3.4 L5 TP 22M K 2.3X3.4 L5 TP 22M K 2.3X3.4 L5 TP 33M K 2.3X3.4 L5 TP 33M K 2.3X3.4 L5 TP 47UH 5% 4X5 TR5 47UH 5% 4X5 TR5 100UH 5% 4X5 TR5 100UH 5% 4X5 TR5 100UH 6% 6X6 L5 TP 56M K 2.3X3.4 L5 TP 180M K 62.3X3.4 L5 TP 180M K 2.3X3.4 L5 TP
L411 L414 L415 L416 L417 L418 L503 L601 L602 L603 L604 L605 L605 L606 L606 L609	0LA0222K018 0LA0222K018 0LA0332K018 0LR0472J025 0LR0472J025 0LR0472J025 0LR1000J025 0LR200J025 0LR200J025 0LR100K035 0LA0562K018 0LA0572K018 0LA1500K018 0LA1500K018	22M K 2.3X3.4 L5 TP 22M K 2.3X3.4 L5 TP 23M K 2.3X3.4 L5 TP 33M K 2.3X3.4 L5 TP 47UH 5% 4X5 TR5 47UH 5% 4X5 TR5 100UH 5% 4X5 TR5 20UH 5% 4X5 TR5 100M K 6X6 L5 TP 56M K 2.3X3.4 L5 TP 47M K 2.3X3.4 L5 TP 180M K 2.3X3.4 L5 TP
L414 L415 L416 L417 L418 L502 L503 L601 L602 L603 L604 L605 L606 L607 L608	0LA0222K018 0LA0322K018 0LR0472J025 0LR0472J025 0LR1000J025 0LR200	22M K 2.3X3.4 L5 TP 33M K 2.3X3.4 L5 TP 47UH 5% 4X5 TR5 47UH 5% 4X5 TR5 47UH 5% 4X5 TR5 100UH 5% 4X5 TR5 100M K 6X6 L5 TP 56M K 2.3X3.4 L5 TP 180M K 6X3.3 L5 TP 180M K 6.3X3.4 L5 TP
L415 L416 L417 L418 L502 L503 L601 L602 L603 L604 L605 L606 L607 L608 L609	0LA0332K018 0LR0472J025 0LR0472J025 0LR0472J025 0LR1000J025 0LR2200J025 0LR1000K035 0LA0562K018 0LA05472K018 0LA0560K018 0LA1500K018 0LA1500K018	33M K 2.3X3.4 L5 TP 47UH 5% 4X5 TR5 47UH 5% 4X5 TR5 47UH 5% 4X5 TR5 100UH 5% 4X5 TR5 100UH 5% 4X5 TR5 220UH 5% 4X5 TR5 100M K 6X6 L5 TP 56M K 2.3X3.4 L5 TP 150M K 2.3X3.4 L5 TP 180M K 2.3X3.4 L5 TP
L416 L417 L418 L502 L503 L601 L602 L603 L604 L605 L606 L607 L608 L609	0LR0472J025 0LR0472J025 0LR0472J025 0LR1000J025 0LR2200J025 0LR2200J025 0LR0562K018 0LA0562K018 0LA1500K018 0LA1500K018 0LA0562K018	47UH 5% 4X5 TR5 47UH 5% 4X5 TR5 47UH 5% 4X5 TR5 100UH 5% 4X5 TR5 220UH 5% 4X5 TR5 100M K 6X6 L5 TP 56M K 2.3X3.4 L5 TP 47M K 2.3X3.4 L5 TP 150M K 2.3X3.4 L5 TP 180M K 2.3X3.4 L5 TP
L417 L418 L502 L503 L601 L602 L603 L604 L605 L606 L607 L608 L609	0LR0472J025 0LR0472J025 0LR1000J025 0LR2200J025 0LR1000K035 0LA0562K018 0LA0472K018 0LA0472K018 0LA1500K018 0LA1500K018 0LA0562K018	47UH 5% 4X5 TR5 47UH 5% 4X5 TR5 100UH 5% 4X5 TR5 220UH 5% 4X5 TR5 100M K 6X6 L5 TP 56M K 2.3X3.4 L5 TP 47M K 2.3X3.4 L5 TP 150M K 2.3X3.4 L5 TP 180M K 2.3X3.4 L5 TP
L418 L502 L503 L601 L602 L603 L604 L605 L606 L607 L608	0LF0472J025 0LR1000J025 0LR2200J025 0LR1000K035 0LA0562K018 0LA0472K018 0LA1500K018 0LA1500K018 0LA1500K018	47UH 5% 4X5 TR5 100UH 5% 4X5 TR5 220UH 5% 4X5 TR5 100M K 6X6 L5 TP 56M K 2.3X3.4 L5 TP 47M K 2.3X3.4 L5 TP 150M K 2.3X3.4 L5 TP 180M K 2.3X3.4 L5 TP
L502 L503 L601 L602 L603 L604 L605 L606 L607 L608	OLR1000J025 OLR2200J025 OLR1000K035 OLA0562K018 OLA0472K018 OLA1500K018 OLA1500K018 OLA1562K018	100UH 5% 4X5 TR5 220UH 5% 4X5 TR5 100M K 6X6 L5 TP 56M K 2.3X3.4 L5 TP 47M K 2.3X3.4 L5 TP 150M K 2.3X3.4 L5 TP 180M K 2.3X3.4 L5 TP
L503 L601 L602 L603 L604 L605 L606 L607 L608 L609	OLR2200J025 OLR1000K035 OLA0562K018 OLA0472K018 OLA1500K018 OLA1800K018 OLA0562K018	220UH 5% 4X5 TR5 100M K 6X6 L5 TP 56M K 2.3X3.4 L5 TP 47M K 2.3X3.4 L5 TP 150M K 2.3X3.4 L5 TP 180M K 2.3X3.4 L5 TP
L601 L602 L603 L604 L605 L606 L607 L608 L609	OLR1000K035 OLA0562K018 OLA0472K018 OLA1500K018 OLA1800K018 OLA0562K018	100M K 6X6 L5 TP 56M K 2.3X3.4 L5 TP 47M K 2.3X3.4 L5 TP 150M K 2.3X3.4 L5 TP 180M K 2.3X3.4 L5 TP
L602 L603 L604 L605 L606 L607 L608 L609	OLA0562K018 OLA0472K018 OLA1500K018 OLA1800K018 OLA0562K018	56M K 2.3X3.4 L5 TP 47M K 2.3X3.4 L5 TP 150M K 2.3X3.4 L5 TP 180M K 2.3X3.4 L5 TP
L603 L604 L605 L606 L607 L608 L609	0LA0472K018 0LA1500K018 0LA1800K018 0LA0562K018	47M K 2.3X3.4 L5 TP 150M K 2.3X3.4 L5 TP 180M K 2.3X3.4 L5 TP
L604 L605 L606 L607 L608 L609	0LA1500K018 0LA1800K018 0LA0562K018	150M K 2.3X3.4 L5 TP 180M K 2.3X3.4 L5 TP
L605 L606 L607 L608 L609	0LA1800K018 0LA0562K018	180M K 2.3X3.4 L5 TP
L606 L607 L608 L609	0LA0562K018	
L607 L608 L609		
L608 L609	JULI IOUNIOS	100M K 6X6 L5 TP
L609	0LR1000K035	100M K 6X6 L5 TP
	0LA0472K018	47M K 2.3X3.4 L5 TP
	0LA0182K018	18M K 2.3X3.4 L5 TP
L612		100M K 6X6 L5 TP
L613	0LA2200K018	220M K 2.3X3.4 L5 TP
L614	0LA2200K018	220M K 2.3X3.4 L5 TP
L615	0LA0102K018	10M K 2.3X3.4 L5 TP
L702	0LR0472J025	47UH 5% 4X5 TR5
L703	0LR0102K035	10M K 6X6 L5 TP
L704	0LR1000J025	100UH 5% 4X5 TR5
L705	0LR1000J025	100UH 5% 4X5 TR5
L706	0LR1000J025	100UH 5% 4X5 TR5
L711	0LR1000J025	100UH 5% 4X5 TR5
		12M K 2.3X3.4 L5 TP
		100M K 6X6 L5 TP
		100M K 6X6 L5 TP
		2200M J 6X7 L5 TP
		10M K 2.3X3.4 L5 TP
		0.015H J 6X7 L5 TP
		100UH 5% 4X5 TR5
1 1		820UH 5% 4X5 TR5 820UH 5% 4X5 TR5
		820UH 5% 4X5 TR5
1		820UH 5% 4X5 TR5
		100M K 2.3X3.4 L5 TP
L902		100M K 2.3X3.4 L5 TP
L903		100UH 5% 4X5 TR5
L904	0LR1000J025	100UH 5% 4X5 TR5
L905		100M K 2.3X3.4 L5 TP
L906	0LA1000K018	100M K 2.3X3.4 L5 TP
L907	0LA1000K018	100M K 2.3X3.4 L5 TP
L908	0LA1000K018	100M K 2.3X3.4 L5 TP
L909	0LA0821K018	8.2M K 2.3X3.4L5 TP
L910	0LR1000J025	100UH 5% 4X5 TR5
L911	0LA1000K018	100M K 2.3X3.4 L5 TP
L912	0LA1000K018	100M K 2.3X3.4 L5 TP
L913	0LA1000K018	100M K 2.3X3.4 L5 TP
L914	0LA1000K018	100M K 2.3X3.4 L5 TP
L915	0LA0821K018	8.2M K 2.3X3.4 L5 TP
L916	0LR1000J025	100UH 5% 4X5 TR5
L917	0LA0560K018	0.56M K 2.3X3.4 L5 TP
L918	0LA0121K018	1.2M K 2.3X3.4 L5 TP
	L613 L614 L615 L702 L703 L704 L705 L706 L711 L712 L751 L752 L753 L801 L802 L804 L805 L806 L870 L870 L906 L907 L908 L908 L909 L901 L901 L902 L904 L905 L906 L907 L908 L909 L910 L911 L912 L913 L914 L915 L916	L613

	-			RUN DATE : 98.11.1
s	AL	LOCANO	PART NO(GS)	SPECIFICATION
		LP04	633-088D	CHOCK ,20UH,LEAD CUT
		LP06	633-088D	CHOCK ,20UH,LEAD CUT
		TL801 TL802	633-032G 633-032G	BIAS OSC(KWANGSUNG) BIAS OSC(KWANGSUNG)
		12002		
	_		L	.ED
	OR	LD201	0DL100000BB	LTL-16KEE RED
		LD201 LD202	ODL112000AJ ODL531100AA	DL-11S2RNS(SUPER,RED,03)KOC
		LD202	0DL380009AA	SG5311 GRN KOTECO GL380JTP IR LED D-27 TP SHARP
	L	20001		
	_	····		IECTOR
		P5P01	561-283H	52556-0990 (STICK)
		P5P02	561-283H	52556-0990 (STICK)
		PM601 PM602	561-282K 561-282K	IL-SDA-12P-S2T2 (STICK)
		PMD01	561-252E	IL-SDA-12P-S2T2 (STICK) TKC-G06P-A1 (TAIKO)
		PMD03	561-283H	52556-0990 (STICK)
		PMD04	561-256A	HPC0750-01WA(MODE S/W)HOSIDE
_	L	PMD05	561-280A	TMC-E02X-B1 ST
		CI	RCUIT BOA	ARD ASSEMBLY
_		PBJ00	6871R-1058A	JACK YO
		PBM00	6871R-1057E	MAIN(S909LP)
			TRANS	FORMER
		PTP01	642-023H	S/W TRANS SHT-023H,DYT-023H
			TRAN	SISTOR
	ОЯ	FEP01	0TF266600AA	2SK2666 BK SHINDENKEN 900V 3A
		FEP01	0TF380000AA	SSSS3N80A BK SAMSUNG 800V 3A 1
	OR	FEP01	0TF380020AA	SSSS3N80,T0220F
		Q001 Q002	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q003	OTR319909AF OTR103009AE	KTC3199-BL MINI TP KEC KRC103M-TP (KRC1203) KEC
		Q101	0TR319909AF	KTC3199-BL MINI TP KEC
		Q102	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q103	0TR126709AC	KTA1267-GR MINI TP KEC
		Q154	0TR126709AC	KTA1267-GR MINITP KEC
			0TR319909AF	KTC3199-BL MINI TP KEC
		Q155		
		Q156	0TR126709AC	KTA1267-GR MINI TP KEC
		Q156 Q157	0TR126709AC 0TR319909AF	KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC
		Q156 Q157 Q159	0TR126709AC 0TR319909AF 0TR126709AC	KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC KTA1267-GR MINI TP KEC
		Q156 Q157	0TR126709AC 0TR319909AF	KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC
		Q156 Q157 Q159 Q160	0TR126709AC 0TR319909AF 0TR126709AC 0TR319909AF	KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC
		Q156 Q157 Q159 Q160 Q161 Q162 Q201	0TR126709AC 0TR319909AF 0TR126709AC 0TR319909AF 0TR126709AC	KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC KTA1267-GR MINI TP KEC
		Q156 Q157 Q159 Q160 Q161 Q162 Q201 Q202	0TR126709AC 0TR319909AF 0TR126709AC 0TR319909AF 0TR126709AC 0TR126709AC 0TR103009AE 0TR319909AF	KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC KTA1267-GR MINI TP KEC KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC
		Q156 Q157 Q159 Q160 Q161 Q162 Q201 Q202 Q203	0TR126709AC 0TR319909AF 0TR126709AC 0TR319909AF 0TR126709AC 0TR126709AC 0TR103009AE 0TR319909AF 0TR103009AE	KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC KTA1267-GR MINI TP KEC KTA1267-GR MINI TP KEC KTA1267-GR MINI TP KEC KTA1267-GR MINI TP KEC KRC103M-TP (KRC1203) KEC KTC3199-BL MINI TP KEC KRC103M-TP (KRC1203) KEC
		Q156 Q157 Q159 Q160 Q161 Q162 Q201 Q202 Q203 Q204	0TR126709AC 0TR319909AF 0TR319909AF 0TR126709AC 0TR126709AC 0TR126709AC 0TR103009AE 0TR319909AF 0TR103009AE 0TR103009AE	KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTA1267-GR MINI TP KEC KRC103M-TP (KRC1203) KEC KTC3199-BL MINI TP KEC KRC103M-TP (KRC1203) KEC KRC103M-TP (KRC1203) KEC
		Q156 Q157 Q159 Q160 Q161 Q162 Q201 Q202 Q203 Q204 Q301	0TR126709AC 0TR319909AF 0TR126709AC 0TR319909AF 0TR126709AC 0TR126709AC 0TR103009AE 0TR103009AE 0TR103009AE 0TR103009AE 0TR103009AE	KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC KTA1267-GR MINI TP KEC KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-TP (KTC1203) KEC KTC103M-TP (KTC1203) KEC KTC103M-TP (KTC1203) KEC KTC103M-TP (KTC1203) KEC
		Q156 Q157 Q159 Q160 Q161 Q162 Q201 Q202 Q203 Q204 Q301 Q302	0TR126709AC 0TR319909AF 0TR126709AC 0TR13909AC 0TR126709AC 0TR126709AC 0TR103009AE 0TR103009AE 0TR103009AE 0TR103009AE 0TR103009AE	KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC KTA1267-GR MINI TP KEC KTA1267-GR MINI TP KEC KTA1267-GR MINI TP KEC KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTC3194-TP (KTC1203) KEC KTC103M-TP (KTC1203) KEC KTC103M-TP (KTC1203) KEC KTC103M-TP (KTC1203) KEC
		Q156 Q157 Q159 Q160 Q161 Q162 Q201 Q202 Q203 Q204 Q301	0TR126709AC 0TR319909AF 0TR126709AC 0TR126709AC 0TR126709AC 0TR103009AE 0TR103009AE 0TR103009AE 0TR103009AE 0TR103009AE 0TR103009AE	KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC KTA1267-GR MINI TP KEC KTA1267-GR MINI TP KEC KTA1267-GR MINI TP KEC KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTC103M-TP (KRC1203) KEC KTC103M-TP (KRC1203) KEC KTC103M-TP (KRC1203) KEC KTC103M-TP (KRC1203) KEC KTC103M-TP (KRC1203) KEC
		Q156 Q157 Q159 Q160 Q161 Q162 Q201 Q202 Q203 Q204 Q301 Q302 Q303	0TR126709AC 0TR319909AF 0TR126709AC 0TR13909AC 0TR126709AC 0TR126709AC 0TR103009AE 0TR103009AE 0TR103009AE 0TR103009AE 0TR103009AE	KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC KTA1267-GR MINI TP KEC KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTC13M-TP (KRC1203) KEC KTC13M-TP (KRC1203) KEC KTC13M-TP (KRC1203) KEC KTC13M-TP (KTC1203) KEC KTC103M-TP (KTC1203) KEC KTC103M-TP (KTC1203) KEC
		Q156 Q157 Q159 Q160 Q161 Q162 Q201 Q202 Q203 Q204 Q301 Q302 Q303 Q304 Q305 Q306	0TR126709AC 0TR319909AF 0TR126709AC 0TR319909AF 0TR126709AC 0TR126709AC 0TR103009AE 0TR103009AE 0TR103009AE 0TR103009AE 0TR103009AE 0TR103009AE	KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC KTA1267-GR MINI TP KEC KTA1267-GR MINI TP KEC KTA1267-GR MINI TP KEC KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTC103M-TP (KRC1203) KEC KTC103M-TP (KRC1203) KEC KTC103M-TP (KRC1203) KEC KTC103M-TP (KRC1203) KEC KTC103M-TP (KRC1203) KEC
		Q156 Q157 Q159 Q160 Q161 Q162 Q201 Q202 Q203 Q203 Q204 Q301 Q302 Q303 Q304 Q305 Q306 Q307	0TR126709AC 0TR319909AF 0TR126709AC 0TR319909AF 0TR126709AC 0TR126709AC 0TR103009AE 0TR103009AE 0TR103009AE 0TR103009AE 0TR103009AE 0TR103009AE 0TR103009AE 0TR103009AE 0TR103009AE	KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTA1267-GR MINI TP KEC KTA1267-GR MINI TP KEC KTA1267-GR MINI TP KEC KRC103M-TP (KRC1203) KEC KRC103M-TP (KRC1203) KEC KRC103M-TP (KRC1203) KEC KRC103M-TP (KRC1203) KEC KRC103M-TP (KRC1203) KEC KRC103M-TP (KRC1203) KEC KRC103M-TP (KRC1203) KEC KRC103M-TP (KRC1203) KEC KRC103M-TP (KRC1203) KEC KRC103M-TP (KRC1203) KEC KRC103M-TP (KRC1203) KEC KRC103M-TP (KRC1203) KEC KRC103M-TP (KRC1203) KEC KRC103M-TP (KRC1203) KEC KRC103M-TP (KRC1203) KEC
		Q156 Q157 Q159 Q160 Q161 Q162 Q201 Q202 Q203 Q204 Q301 Q302 Q303 Q304 Q305 Q306	0TR126709AC 0TR319909AF 0TR126709AC 0TR126709AC 0TR126709AC 0TR126709AC 0TR103009AE 0TR103009AE 0TR103009AE 0TR103009AE 0TR103009AE 0TR103009AE 0TR103009AE 0TR103009AE 0TR103009AE 0TR103009AE	KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTA1267-GR MINI TP KEC KTA1267-GR MINI TP KEC KTA1267-GR MINI TP KEC KTA1267-GR MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTC3199-BL MINI TP KEC KTC319M-TP (KRC1203) KEC KTC103M-TP (KRC1203) KEC KTC103M-TP (KRC1203) KEC KTC103M-TP (KRC1203) KEC KTC103M-TP (KRC1203) KEC KTC103M-TP (KTC1203) KEC KTC103M-TP (KTC1203) KEC KTC103M-TP (KTC1203) KEC KTC103M-TP (KTC1203) KEC KTC103M-TP (KTC1203) KEC KTC103M-TP (KTC1203) KEC

RUN	DATE	: 98.11.1	ľ

								RUN DATE : 98.11.19
AL	LOCA.NO	PART NO(GS)	SPECIFICATION	s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
	Q312	0TR103009AE	KRC103M-TP (KRC1203) KEC			Q613	0TR319909AF	KTC3199-BL MINI TP KEC
	Q313	0TR320509AB	KTC3205-TP-Y (KTC2236A)KEC		1	Q614	0TR319909AF	KTC3199-BL MINI TP KEC
	Q314	0TR126709AC	KTA1267-GR MINITP KEC	1	ì	Q615	0TR319909AF	KTC3199-BL MINI TP KEC
	Q315	0TR319909AF	KTC3199-BL MINI TP KEC	1	1	Q616	0TR319909AF	KTC3199-BL MINI TP KEC
l	Q316	0TR319909AF	KTC3199-BL MINI TP KEC		1	Q617	0TR126709AC	KTA1267-GR MINI TP KEC
	Q317	0TR126709AC	KTA1267-GR MINI TP KEC		ı	Q618	0TR103009AE	KRC103M-TP (KRC1203) KEC
	Q318	0TR103009AE	KRC103M-TP (KRC1203) KEC		1	Q619	0TR103009AE	KRC103M-TP (KRC1203) KEC
	Q319	0TR319909AF	KTC3199-BL MINI TP KEC		1	Q702	0TR319909AF	KTC3199-BL MINI TP KEC
	Q320	0TR319909AF	KTC3199-BL MINI TP KEC	- 1		Q703	0TR126709AC	KTA1267-GR MINI TP KEC
	Q321	0TR319909AF	KTC3199-BL MINI TP KEC	ŀ	1	Q704	0TR319909AF	KTC3199-BL MINI TP KEC
	Q322	0TR319909AF	KTC3199-BL MINI TP KEC	1	Į.	Q706	0TR319909AF	KTC3199-BL MINI TP KEC
	Q323	0TR103009AE	KRC103M-TP (KRC1203) KEC	1	1	Q707	0TR103009AE	KRC103M-TP (KRC1203) KEC KRC103M-TP (KRC1203) KEC
	Q324	0TR103009AE	KRC103M-TP (KRC1203) KEC			Q801 Q802	0TR103009AE 0TR103009AE	KRC103M-TP (KRC1203) KEC
	Q325	0TR126709AC	KTA1267-GR MINI TP KEC	1	1	Q803	0TR319909AF	KTC3199-BL MINI TP KEC
1	Q326 Q327	0TR319909AF	KTC3199-BL MINI TP KEC KTA1267-GR MINI TP KEC	1		Q804	0TR126709AC	KTA1267-GR MINI TP KEC
	Q328	0TR126709AC 0TR319909AF	KTC3199-BL MINI TP KEC			Q805	0TR103009AE	KRC103M-TP (KRC1203) KEC
	0329	0TR319909AF	KTC3199-BL MINI TP KEC	-		Q806	0TR126709AC	KTA1267-GR MINI TP KEC
1	G330	0TR319909AF	KTC3199-BL MINI TP KEC	- 1	1	Q807	0TR103009AE	KRC103M-TP (KRC1203) KEC
	Q331	0TR103009AE	KRC103M-TP (KRC1203) KEC	ı	1	Q808	0TR320509AB	KTC3205-TP-Y (KTC2236A)KEC
l	0332	0TR126709AC	KTA1267-GR MINI TP KEC	- 1		Q809	0TR319909AF	KTC3199-BL MINI TP KEC
1	Q333	0TR319909AF	KTC3199-BL MIN! TP KEC	- [		Q870	0TR319909AF	KTC3199-BL MINI TP KEC
	Q334	0TR103009AE	KRC103M-TP (KRC1203) KEC		1	Q871	0TR319909AF	KTC3199-BL MINI TP KEC
İ	Q335	0TR103009AE	KRC103M-TP (KRC1203) KEC			Q873	0TR319909AF	KTC3199-BL MINI TP KEC
1	Q401	0TR319909AF	KTC3199-BL MINI TP KEC			Q874	0TR103009AE	KRC103M-TP (KRC1203) KEC
	Q402	0TR319909AF	KTC3199-BL MINI TP KEC			Q875	0TR126709AC	KTA1267-GR MINI TP KEC
	Q403	0TR319909AF	KTC3199-BL MINI TP KEC		1	Q876	0TR320509AB	KTC3205-TP-Y (KTC2236A)KEC
1	Q404	0TR319909AF	KTC3199-BL MINI TP KEC	- 1	1	Q901	0TR126709AC	KTA1267-GR MINI TP KEC
1	Q405	0TR319909AF	KTC3199-BL MINI TP KEC		1	Q902	0TR103009AE	KRC103M-TP (KRC1203) KEC
	Q406	0TR319909AF	KTC3199-BL MINI TP KEC			Q903	0TR103009AE	KRC103M-TP (KRC1203) KEC
	Q407	0TR319909AF	KTC3199-BL MINI TP KEC			Q904	0TR319909AF	KTC3199-BL MINI TP KEC
1	Q408	0TR319909AF	KTC3199-BL MINI TP KEC		1	Q905	OTR319909AF	KTC3199-BL MINI TP KEC
1	Q409	0TR126709AC	KTA1267-GR MINI TP KEC			Q906	0TR126709AC	KTA1267-GR MINI TP KEC
	Q410	0TR126709AC	KTA1267-GR MINI TP KEC			Q907	0TR126709AC	KTA1267-GR MINI TP KEC
	Q411	0TR319909AF	KTC3199-BL MINI TP KEC		1	Q908 Q909	0TR126709AC	KTA1267-GR MINI TP KEC KTA1267-GR MINI TP KEC
	Q412	0TR319909AF	KTC3199-BL MINI TP KEC		1	Q909	0TR141409AB	KTD1414-B CUTING TP KEC
	Q413 Q414	0TR319909AF 0TR126709AC	KTC3199-BL MINI TP KEC KTA1267-GR MINI TP KEC		1	QP02	0TR141409AB	KTD1414-B CUTING TP KEC
1	Q415	0TR126709AC	KTA1267-GR MINI TP KEC	-		QP03	0TR127309AA	KTA1273-TP-Y (KTA966A)KEC
1	Q416	0TR319909AF	KTC3199-BL MINI TP KEC	- 1		QP04	0TR320509AB	KTC3205-TP-Y (KTC2236A)KEC
1	Q417	0TR126709AC	KTA1267-GR MINI TP KEC	- 1	1	QP05	0TR103009AF	KRA103M-TP (KRA2203) KEC
	Q418	0TR126709AC	KTA1267-GR MINI TP KEC		1	QP06	0TR103009AE	KRC103M-TP (KRC1203) KEC
	Q419	0TR319909AF	KTC3199-BL MINI TP KEC			QP07	0TR319909AF	KTC3199-BL MINI TP KEC
	Q501	0TR933009DB	STA933Y TP KOTECO			QP08	0TR103009AF	KRA103M-TP (KRA2203) KEC
1	Q502	0TR933009DB	STA933Y TP KOTECO			QP09	0TR103009AE	KRC103M-TP (KRC1203) KEC
1	Q503	0TR103009AE	KRC103M-TP (KRC1203) KEC	- 1	1	QP10	0TR320509AB	KTC3205-TP-Y (KTC2236A)KEC
1	Q504	0TR103009AE	KRC103M-TP (KRC1203) KEC			QP11	0TR709009AE	KSA709C-Y TP SAMSUNG T0-92
1	Q508	0TR319909AF	KTC3199-BL MINI TP KEC		1	QP12	0TR319909AF	KTC3199-BL MINI TP KEC
	Q509	0TR127309AA	KTA1273-TP-Y (KTA966A)KEC		-	QP13	0TR319909AF	KTC3199-BL MINI TP KEC
1	Q510	0TR103009AE	KRC103M-TP (KRC1203) KEC			QP16	0TR127309AA	KTA1273-TP-Y (KTA966A)KEC
	Q601	0TR319909AF	KTC3199-BL MINI TP KEC			QP17	0TR127309AA	KTA1273-TP-Y (KTA966A)KEC
	Q602	0TR103009AE	KRC103M-TP (KRC1203) KEC	- 1		QP18	0TR319909AF	KTC3199-BL MINI TP KEC
	Q603	0TR103009AE	KRC103M-TP (KRC1203) KEC			QP19	0TR319909AF	KTC3199-BL MINI TP KEC
	Q604	0TR319909AF	KTC3199-BL MINI TP KEC			S501	0TR581139AA	ST5811S3T TP
1	Q605	0TR126709AC	KTA1267-GR MINI TP KEC			S502	0TR581139AA	ST5811S3T TP
1	Q606	0TR319909AF	KTC3199-BL MINI TP KEC					NOTOD
	Q607	0TR103009AE	KRC103M-TP (KRC1203) KEC				KE:	SISTOR
	Q608	0TR103009AE	KRC103M-TP (KRC1203) KEC	⊢	Т	0007	00010005000	400V 4100V E TAOC
	Q609	0TR319909AF	KTC3199-BL MINI TP KEC	⊢L		RP27	0RD1003F608	100K 1/6W 5 TA26
1	Q610	0TR319909AF	KTC3199-BL MINI TP KEC				REMOCO	N RECEIVER
	Q611	0TR103009AE	KRC103M-TP (KRC1203) KEC	L		,	- ILINOOO	
	Q612	0TR319909AF	KTC3199-BL MINI TP KEC	[~		RC201	6712R2038AA	PIC21143TL KODENSHI 17.6MM 37.

s	AL	LOCANO	PART NO(GS)	SPECIFICATION
			SEN	ISOR
	OR	ICP02	657-061B	PHOTO COUPLER PS2561-1-V NEC
	OR	ICP02	657-062A	PC817 PHOTO COUPLER(SHARP)
		ICP02	657-063A	LTV-817B,PHOTO COUPLER(LITEON)
	1 1	S503	657-0408	REEL RPI-352Q01 D-27 ROHM-J
		S504	657-040B	REEL RPI-352Q01 D-27 ROHM-J
			SC	ART
		JK903 JK904	573-006C 573-006D	RGB SOKET SR-21S3 21PIN (BK) RGB (BLUE)
			SW	TITCH
	T	JS201	556-164A	SRGPHJ1100
	1	SW201	556-282C	SKONGED ALPS 5MM 12V/50MAV TAC
		SW202	556-282C	SKONGED ALPS 5MM 12V/50MAV TAC
		SW203	556-282C	SKONGED ALPS 5MM 12V/50MAV TAC
	1	SW204	556-282C	SKONGED ALPS 5MM 12V/50MAV TAC
		SW205	556-282C	SKONGED ALPS 5MM 12V/50MAV TAC
	1	SW206	556-282C	SKONGED ALPS 5MM 12V/50MAV TAC
	1	SW207	556-282C	SKONGED ALPS 5MM 12V/50MAV TAC
	1	SW208	556-282C	SKONOED ALPS 5MM 12V/50MAV TAC
		SW501	556-244A	REC S/W,MPU10105MMBO,MIC
	1	SW502	556-243D	F/L S/W,MPU10400(MIC),D-27
	1	SW503	556-243D	F/L S/W,MPU10400(MIC),D-27
		SW901	556-023M	KSA-2240,KIE,SILIDE
TUNER				
	Τ	TU701	6700RP3L01B	TADC-G001D LGEC BG 3IN1
			VARIABL	E RESISTOR
_	Т	VR201	611-024B	RK09K113000123B
	1	VR501	613-029W	VARIABLE EVN-CYY A03BE5-220K
	1	VR752	6110RSHK01A	RH063LCS3R,4.7K,ANGLE VR
		VR801	613-032U	RH063MC15R0WA (100K)
			CR	YSTAL
	Ŧ	X151	529-022V	17.734476MHZ CL-12P 25PPM LEAD
		X502	529-001B	32.768KHZ 3*8,KDS
	OR	X502	529-001K	32.768KHZ SEIKO
_	丄	X751	529-0201	10.000000MHZ 30PPM NO-TU L=4.0
RESONATOR				DNATOR
		X201	618-010A	CST4.00MGW-TF01S MURATA
		X301	6202R1443CA	HC49U KJE RADIAL 4.433619MHZ 1
		X501	6202R1100AC	10MHZ 30PPM 12PF 49/U BK KJE
			ZENE	R DIODE
		ZD201	0DZ220009ED	MTZ22B T-77 TP ROHM
	1	ZD202	0DZ160009BA	MTZ16B TP ROHM-K
	1	ZD203	0DZ160009BA	MTZ16B TP ROHM-K
		ZD204	0DZ160009BA	MTZ16B TP ROHM-K
	1	ZD205	0DZ160009BA	MTZ16B TP ROHM-K
	1	ZD206	0DZ1600098A	MTZ16B TP ROHM-K
		ZD206 ZD207	0DZ160009BA 0DZ160009BA	MTZ168 TP ROHM-K
		1		

AL	LOCANO	PART NO(GS)	SPECIFICATION
	ZD210	0DZ160009BA	MTZ16B TP ROHM-K
	ZD211	0DZ160009BA	MTZ16B TP ROHM-K
	ZD212	0DZ160009BA	MTZ168 TP ROHM-K
		0DZ160009BA	MTZ16B TP ROHM-K
1		0DZ160009BA	MTZ16B TP ROHM-K
Ì	ZD215	0DZ160009BA	MTZ16B TP ROHM-K
ł		0DZ510009EB	MTZ5.1B 0.5W TP ROHM-K
1		0DZ560009CB	MTZ5.6C TP(26MM) ROHM 5.6V
l		0DZ750009DA	MTZ7.5B TP ROHM-K
l	ZD502	0DZ750009DA	MTZ7.5B TP ROHM-K
İ	ZD504	0DZ750009DA	MTZ7.5B TP ROHM-K
	ZD505	0DZ750009DA	MTZ7.5B TP ROHM-K
	ZD601	0DZ100009AA	MTZ10B MINI TP ROHM-K
1		0DZ330009AF	MTZ33B.TP.ROHM-K
	ZD702	0DZ560009CA	MTZ5.68 TP ROHM-K
	ZD702 ZD901	00250009CA	MTZ15B ROHM-K
1		00Z150009BC	MTZ15B ROHM-K
	ZD902 ZD903	0DZ150009BC	MTZ15B ROHM-K
	ZD903 ZD904	0DZ150009BC	MTZ15B ROHM-K
1		0021500096C 002110009CB	MTZ11B TP ROHM-K
ĺ	ZD905 ZD906	002110009CB 00Z150009BC	MTZ158 ROHM-K
1		00Z150009BC	MTZ15B ROHM-K
1	ZD907		MTZ15B ROHM-K
1	ZD911	0DZ150009BC	1
1	ZD912	00Z150009BC	MTZ15B ROHM-K
	ZD913	0DZ150009BC	
	ZD914	0DZ150009BC	
1	ZD915	0DZ150009BC	MTZ15B ROHM-K
	ZD916	00Z150009BC	MTZ15B ROHM-K
1	ZD917	0DZ150009BC	
	ZD918	0DZ150009BC	MTZ15B ROHM-K
	ZD921	00Z150009BC	MTZ15B ROHM-K
	ZD922	0DZ150009BC	MTZ15B ROHM-K
	ZD923	0DZ150009BC	MTZ15B ROHM-K
1	ZD924	0DZ150009BC	MTZ15B ROHM-K
	ZD927	00Z150009BC	MTZ15B ROHM-K
ı	ZD928	00Z150009BC	MTZ15B ROHM-K
	ZD929	0DZ150009BC	MTZ15B ROHM-K
	ZD930	00Z150009BC	MTZ15B ROHM-K
	ZD931	0DZ150009BC	MTZ15B ROHM-K
1	ZD932	0DZ150009BC	MTZ15B ROHM-K
1	ZD933	0DZ150009BC	MTZ15B ROHM-K
	ZD934	0DZ150009BC	MTZ15B ROHM-K
	ZDP01	002560009CA	MTZ5.6B TP ROHM-K
	ZDP03	00Z130009AC	MTZ13B TP ROHM-K
	ZDP04	0DZ100009AA	MTZ10B MINI TP ROHM-K
	ZDP07	0DZ130009AC	MTZ13B TP ROHM-K
	ZDP08	0DZ180009CA	MTZ18B TP ROHM-K
	ZDP09	0DZ220009ED	MTZ22B T-77 TP ROHM
	1	i	1

MODEL:S909LP 3GL1L

CAUTION: The \* marks in the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. Before replacing any of these components, read carefully the SAFETY PRECAUTIONS and SERVICING PRECAUTIONS in the manual. Do not degrade the safety of the unit through improper servicing.

#### Tolerance

1	Symbol	С	J	Κ	M	N	Z	Р	A
١	%	±2	±5	±10	±20	±30	+80 -20	+100 -10	+100 -10

CC, CJ, CK: Capacitor, Ceramic CE: Capacitor, Electrolytic CQ: Capacitor, Polyester

s	AL LO	A.NO	PART NO(GS)	SPECIFICATION					
			RES	ISTOR					
	R	01	0RD2702F608	27K 1/6W 5 TA26					
	l Ro	002	0RD4701F608	4.7K 1/6W 5 TA26					
	R	003	0RD1201F608	1.2K 1/6W 5 TA26					
	R	004	0RD1201F608	1.2K 1/6W 5 TA26					
	R	X05	ORD2701F608	2.7K 1/6W 5 TA26					
	R	006	0RD1502F608	15K 1/6W 5 TA26					
	R	007	0RD5601F608	5.6K 1/6W 5 TA26					
	R	008	0RD3300F608	330 1/6W 5 TA26					
	R	009	ORD3300F608	330 1/6W 5 TA26					
	1 1	010	ORD0102F608	10 1/6W 5 TA26					
	1 1	)11	ORD0102F608	10 1/6W 5 TA26					
	1 1	112	0RD3300F608	330 1/6W 5 TA26					
	1 1 "	013	0RD1001F608	1.0K 1/6W 5 TA26					
	1 1	014	ORD4701F608	4.7K 1/6W 5 TA26					
	1 1	015	0RD2201F608	2.2K 1/6W 5 TA26					
	1 1	016	0RD3301F608	3.3K 1/6W 5 TA26					
	1 1	017	ORD4701F608	4.7K 1/6W 5 TA26					
	1 1	101	ORD1000F608	100 1/6W 5 TA26					
	1	102	ORD5603F608	560K 1/6W 5 TA26					
	1 1		ORD6801F608	6.8K 1/6W 5 TA26					
	1	104	0RD6801F608	6.8K 1/6W 5 TA26					
	1 1	105	0RD5603F608	560K 1/6W 5 TA26					
	1 1 "	106	0RD8202F608	82K 1/6W 5 TA26					
	1 1	107	0RD1004F608 0RD1001F608	1.0M 1/6W 5 TA26 1.0K 1/6W 5 TA26					
	1 1	108		470 1/6W 5 TA26					
	1 1	109	ORD4700F608	4.7K 1/6W 5 TA26					
	1 1	110 111	0RD4701F608 0RD2202F608	22K 1/6W 5 TA26					
	1 1	151	ORD1001F608	1.0K 1/6W 5 TA26					
		152	0RD1001F608	1.0K 1/6W 5 TA26					
	1 1	153	0RD1001F608	1.0K 1/6W 5 TA26					
	1 1 "	154	0RD1000F608	100 1/6W 5 TA26					
	1 1	155	0RD1001F608	1.0K 1/6W 5 TA26					
	1 1	156	0RD1001F608	1.0K 1/6W 5 TA26					
	1 1	157	0RD1501F608	1.5K 1/6W 5 TA26					
	1 1	158	0RD6801F608	6.8K 1/6W 5 TA26					
	1 1	159	0RD1200F608	120 1/6W 5 TA26					
l	1 1	160	0RD1001F608	1.0K 1/6W 5 TA26					
	1 1	161	0RD1001F608	1.0K 1/6W 5 TA26					
	1 1	162	0RD1001F608	1.0K 1/6W 5 TA26					
	1 1	163	0RD2201F608	2.2K 1/6W 5 TA26					
l	1 1	164	0RD2201F608	2.2K 1/6W 5 TA26					
l	1 1	165	0RD1801F608	1.8K 1/6W 5 TA26					

s	AL	LOCANO	PART NO(GS)	SPECIFICATION
		R166	0RD1503F608	150K 1/6W 5 TA26
l	1	R167	0RD1003F608	100K 1/6W 5 TA26
		R168	0RD1202F608	12K 1/6W 5 TA26
	١.	R169	0RD4700F608	470 1/6W 5 TA26
	1	R170	0RD4702F608	47K 1/6W 5 TA26
	ļ	R171	0RD1802F608	18K 1/6W 5 TA26
l		R172	0RD1000F608	100 1/6W 5 TA26
1		R173	0RD1001F608	1.0K 1/6W 5 TA26
ŀ	ı	R174	0RD10Q1F608	1.0K 1/6W 5 TA26
l	1	R175	ORD1001F608	1.0K 1/6W 5 TA26
ı	1	R176	0RD1501F608	1.5K 1/6W 5 TA26
	1	R179	0RD3301F608	3.3K 1/6W 5 TA26
ŀ	1	R180	0RD1001F608	1.0K 1/6W 5 TA26
		R184	0RD8201F608	8.2K 1/6W 5 TA26
1	i .	R186	0RD1001F608	1.0K 1/6W 5 TA26
1	1	R187	0RD1001F608	1.0K 1/6W 5 TA26
l	1	R189	0RD1001F608	1.0K 1/6W 5 TA26
1	1	R201	ORD3300F608	330 1/6W 5 TA26
l	1	R202	ORID3300F608	330 1/6W 5 TA26
	1	R203	ORD3300F608	330 1/6W 5 TA26
i	1	R204	0RD2702F608	27K 1/6W 5 TA26
i	1	R206	0RD0752F608	75 1/6W 5 TA26
ı	1	R207	0RD3300F608	330 1/6W 5 TA26
ı	1	R208	0RD3300F608	330 1/6W 5 TA26
i .	1	R209	0RD3300F608	330 1/6W 5 TA26
L	1	R210	0RD2702F608	27K 1/6W 5 TA26
ı	1	R211	0RD2702F608	27K 1/6W 5 TA26
ı	1	R212	0RD2702F608	27K 1/6W 5 TA26
1		R213	0RD2702F608	27K 1/6W 5 TA26
ı	1	R214	0RD2702F608	27K 1/6W 5 TA26
ı	1	R215	0RD2702F608	27K 1/6W 5 TA26
ı		R216	0RD2702F608	27K 1/6W 5 TA26
		R217	0RD2702F608	27K 1/6W 5 TA26
1	ľ	R218	0RD1801F608	1.8K 1/6W 5 TA26
		R219	0RD1501F608	1.5K 1/6W 5 TA26
1		R220	0RD2201F608	2.2K 1/6W 5 TA26
İ	1	R221	0RD2701F608	2.7K 1/6W 5 TA26
1		R222	0RD3901F608	3.9K 1/6W 5 TA26
1	1	R223	0RD6801F608	6.8K 1/6W 5 TA26
1	1	R224	0RD1202F608	12K 1/6W 5 TA26
1		R225	0RD2701F608	2.7K 1/6W 5 TA26
1	1	R226	0RD2203F608	220K 1/6W 5 TA26
1	1	R227	0RD1000F608	100 1/6W 5 TA26
1	1	R228	0RD2203F608	220K 1/6W 5 TA26
1	1	R229	0RD6801F608	6.8K 1/6W 5 TA26

s	AL	LOCA,NO	PART NO(GS)	SPECIFICATION	Γ	s	AL	LOC
		R230	0RD4701F608	4.7K 1/6W 5 TA26	Ī			R3
		R231	0RD1201F608	1.2K 1/6W 5 TA26	- }			R3
		R232	0RD2202F608	22K 1/6W 5 TA26	- 1			R3
		R233	0RD4701F608	4.7K 1/6W 5 TA26			١ .	R3
		R234	0RD2202F608	22K 1/6W 5 TA26		-		R3
	l	R235 R236	0RD0152F608 0RD0152F608	15 1/6W 5 TA26 15 1/6W 5 TA26		1		R3 R3
		R237	0RD1003F608	100K 1/6W 5 TA26	1			R3
		R240	0RD0102F608	10 1/6W 5 TA26	- 1			R3
		R241	0RD0102F608	10 1/6W 5 TA26				R3
	•	R242	0RD0471F608	4.7 1/6W 5 TA26	ı			R3
	-	R243	0RD0752F608	75 1/6W 5 TA26	-			R3
		R244	0RD0752F608	75 1/6W 5 TA26	-			R3
		R245	0RD0472F608	47 1/6W 5 TA26	-			R3
		R246	0RD2702F608	27K 1/6W 5 TA26	١			R3
		R247 R248	0RD2702F608 0RD2702F608	27K 1/6W 5 TA26 27K 1/6W 5 TA26	-1			R3
	ļ	R254	0RD1001F608	1.0K 1/6W 5 TA26	-			R3
		R301	0RH1001D622	1.0K 1/10W 5 D.R/TP				R3
	l	F302	0RH1001D622	1.0K 1/10W 5 D.R/TP				R
		R303	0RH3302D622	33K 1/10W 5 D.R/TP	-			R3
	1	R304	0RH2701D622	2.7K 1/10W 5 D.R/TP	- 1			R3
	ł	R305	0RH1002D622	10K 1/10W 5 D.R/TP				R
		R306	0RH4701D622	4.7K 1/10W 5 D.R/TP				R
		R307 R308	0RH3301D622 0RH1002D622	3.3K 1/10W 5 D.R/TP 10K 1/10W 5 D.R/TP				R3
		R309	0RH4701D622	4.7K 1/10W 5 D.R/TP				R
		R310	0RH1801D622	1.8K 1/10W 5 D.R/TP				R
		R311	0RH4701D622	4.7K 1/10W 5 D.R/TP	- 1		İ	R
		R312	ORH1000D622	100 1/10W 5 D.R/TP	-1		1	R
	1	R313	0RH1000D622	100 1/10W 5 D.R/TP				R
		R314	0RH6803D622	680K 1/10W 5 D.R/TP	- 1			R
		R315 R316	0RH8200D622 0RH6801D622	820 1/10W 5 D.R/TP 6.8K 1/10W 5 D.R/TP	- [			R
		R317	0RH1501D622	1.5K 1/10W 5 D.R/TP	- 1			R
	1	R318	0RH2201D622	2.2K 1/10W 5 D.R/TP				R
	l	R319	0RH5100D622	510 1/10W 5 D.R/TP				R3
		R320	0RH1001D622	1.0K 1/10W 5 D.R/TP				R
		R321	-0RH2202D622	22K 1/10W 5 D.R/TP			1	R
		R322	0RH6802D622	68K 1/10W 5 D.R/TP				R
		R323 R324	0RH2201D622 0RH3302D622	2.2K 1/10W 5 D.R/TP 33K 1/10W 5 D.R/TP				R3
	1	R325	0RH8201D622	8.2K 1/10W 5 D.R/TP	-1			R3
		R326	0RH1501D622	1.5K 1/10W 5 D.R/TP	ŀ			R
	1	R327	0RH2702D422	27K 1/10W 1% D R/TP			ĺ	R
		R328	ORH8201D622	8.2K 1/10W 5 D.R/TP	-1			R
		R329	0RH1000D622	100 1/10W 5 D.R/TP	- 1			R:
		R330	0RH4704D622	4.7M 1/10W 5 TA	-		l	R
		R331 R332	0RH2200D622	220 1/10W 5 D.R/TP	- [			R
		R333	0RH3300D622 0RH1000D622	330 1/10W 5 D.R/TP 100 1/10W 5 D.R/TP	- [			R3
	1	R334	0RH1000D622	100 1/10W 5 D.R/TP	ı		l	R
		R335	0RH2201D622	2.2K 1/10W 5 D.R/TP				R
		R336	0RH1002D622	10K 1/10W 5 D.R/TP			l	R
		R337	0RH8202D622	82K 1/10W 5 D.R/TP	-		ĺ	R
		R338	0RH2702D622	27K 1/10W 5 D.R/TP	-			R
	-	R339 R340	0RH1800D622 0RH1202D622	180 1/10W 5 D.R/TP	-			R
		R341	0RH2201D622	12K 1/10W 5 D.R/TP 2.2K 1/10W 5 D.R/TP	1			R3
		R342	0RH3301D622	3.3K 1/10W 5 D.R/TP	1			R
		R343	0RH3901D622	3.9K 1/10W 5 D.R/TP	1		İ	R
	-	R344	0RH1802D622	18K 1/10W 5 D.R/TP	- 1		1	R
		•		<u> </u>	L	_	<u> </u>	

			RUN DATE : 98.11.19
AL	LOCA.NO	PART NO(GS)	SPECIFICATION
	R345	0RH1001D622	1.0K 1/10W 5 D.R/TP
	R346	0RH6800D622	680 1/10W 5 D.R/TP
	R347	0RH1001D622	1.0K 1/10W 5 D.R/TP
	R348	0RH6800D622	680 1/10W 5 D.R/TP
	R349	0RH5601D622	5.6K 1/10W 5 D.R/TP
	R350	0RH8200D622	820 1/10W 5 D.R/TP
	R351	0RH5600D622	560 1/10W 5 D.R/TP
	R352 R353	0RH1201D622 0RH1201D622	1.2K 1/10W 5 D.R/TP
	R354	0RH3300D622	1.2K 1/10W 5 D.R/TP 330 1/10W 5 D.R/TP
	R355	0RH5601D622	5.6K 1/10W 5 D.R/TP
	R356	0RH2702D622	27K 1/10W 5 D.R/TP
	R357	0RH3300D622	330 1/10W 5 D.R/TP
	R358	0RH4700D622	470 1/10W 5 D.R/TP
	R359	0RH1001D622	1.0K 1/10W 5 D.R/TP
	R360	0RH5601D622	5.6K 1/10W 5 D.R/TP
	R361	0RH1802D622	18K 1/10W 5 D.R/TP
	R362	0RH1001D622	1.0K 1/10W 5 D.R/TP
	R363	0RH4700D622	470 1/10W 5 D.R/TP
l	R364	0RH1001D622	1.0K 1/10W 5 D.R/TP
	R365	0RH1002D622	10K 1/10W 5 D.R/TP
	R366	0RH4700D622	470 1/10W 5 D.R/TP
l	R367	0RH4700D622	470 1/10W 5 D.R/TP
1	R368	0RH2201D622	2.2K 1/10W 5 D.R/TP
	R369	0RH3901D622	3.9K 1/10W 5 D.R/TP
	R370	0RH5600D622	560 1/10W 5 D.R/TP
	R371 R372	0RH5600D622 0RH1001D622	560 1/10W 5 D.R/TP 1.0K 1/10W 5 D.R/TP
1	R373	0RH1001D622	1.0K 1/10W 5 D.R/TP
l	R374	0RH2201D622	2.2K 1/10W 5 D.R/TP
	R375	0RH1001D622	1.0K 1/10W 5 D.R/TP
1	R376	0RH1501D622	1.5K 1/10W 5 D.R/TP
l	R377	0RH5601D622	5.6K 1/10W 5 D.R/TP
1	R378	0RH1001D622	1.0K 1/10W 5 D.R/TP
	R379	0RH1501D622	1.5K 1/10W 5 D.R/TP
!	R380	0RH8200D622	820 1/10W 5 D.R/TP
	R381	0RH1501D622	1.5K 1/10W 5 D.R/TP
	R382 R383	0RH1001D622 0RH1501D622	1.0K 1/10W 5 D.R/TP
	R384	0RH1001D622	1.5K 1/10W 5 D.R/TP 1.0K 1/10W 5 D.R/TP
	R385	0RH4701D622	4.7K 1/10W 5 D.R/TP
	R386	0RH1001D622	1.0K 1/10W 5 D.R/TP
	R387	0RH1001D622	1.0K 1/10W 5 D.R/TP
	R388	0RH3301D422	3.30K 1/10W 1% D R/TP
ĺ	R389	0RH3301D422	3.30K 1/10W 1% D R/TP
	R390	0RH4700D422	470 1/10W 1% D R/TP
l	R391	0RH1001D622	1.0K 1/10W 5 D.R/TP
l	R392	0RH1501D622	1.5K 1/10W 5 D.R/TP
l	R393	0RH1001D622	1.0K 1/10W 5 D.R/TP
ĺ	R394	0RH1201D422	1.20K 1/10W 1% D R/TP
	R395	0RH1000D622	100 1/10W 5 D.R/TP
	R396	0RH1501D622	1.5K 1/10W 5 D.R/TP
	R397	0RH1500D622	150 1/10W 5 D.R/TP
	R398 R399	0RH3301D422 0RH3900D422	3.30K 1/10W 1% D R/TP
1	R3A1	0RH3301D422	390 1/10W 1% D R/TP 3.30K 1/10W 1% D R/TP
	R3A2	0RH3900D422	390 1/10W 1% D R/TP
	R3A3	0RH1001D622	1.0K 1/10W 5 D.R/TP
	R3A4	0RH3900D422	390 1/10W 1% D R/TP
	R3A5	0RH4704D622	4.7M 1/10W 5 TA
	R3A6	0RH1003D622	100K 1/10W 5 D.R/TP
	R3A7	0RH1001D622	1.0K 1/10W 5 D.R/TP

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										RUN DATE	: 98.11.19
s	AL	LOCANO	PART NO(GS)	SPECIFICATION	[	s	AL	LOCANO	PART NO(GS)	SPECIFICATION	
		R3A8	0RH1001D622	1.0K 1/10W 5 D.R/TP	П			R462	0RH1001D622	1.0K 1/10W 5 D.R/TP	
		R3A9	0RH1001D622	1.0K 1/10W 5 D.R/TP		١	- 1	R463	0RH1001D622	1.0K 1/10W 5 D.R/TP	
		R3B1	0RH1001D622	1.0K 1/10W 5 D.R/TP	-1	- 1		R464	0RH5600D622	560 1/10W 5 D.R/TP	
		R3B2	0RH1001D622	1.0K 1/10W 5 D.R/TP	ı		1	R465	0RH8200D622	820 1/10W 5 D.R/TP	
		R3B3	0RH1001D622	1.0K 1/10W 5 D.R/TP	-	- 1	l	R466	0RH1201D622	1.2K 1/10W 5 D.R/TP	
		R384	0RH4700D622	470 1/10W 5 D.R/TP	ı			R501	0RD4701F608	4.7K 1/6W 5 TA26	
		R385	0RH5600D622	560 1/10W 5 D.R/TP	- [	ı		R502	0RD4701F608	4.7K 1/6W 5 TA26	
		R386	0RH5600D622	560 1/10W 5 D.R/TP	- 1			R503 R504	0RD4701F608 0RD4701F608	4.7K 1/6W 5 TA26 4.7K 1/6W 5 TA26	
		R401	0RH1001D622	1.0K 1/10W 5 D.R/TP	Į	1	İ	R505	0RD4701F608	4.7K 1/6W 5 TA26	
		R402	0RH4700D622 0RH3300D622	470 1/10W 5 D.R/TP 330 1/10W 5 D.R/TP				R506	0RD4701F608	4.7K 1/6W 5 TA26	
	1	R403 R404	0RH1001D622	1.0K 1/10W 5 D.R/TP				R507	0RD1003F608	100K 1/6W 5 TA26	
	1	R405	0RH3301D622	3.3K 1/10W 5 D.R/TP				R508	0RD4701F608	4.7K 1/6W 5 TA26	
		R406	0RH2700D622	270 1/10W 5 D.R/TP				R509	0RD1003F608	100K 1/6W 5 TA26	
		R407	0RH2700D622	270 1/10W 5 D.R/TP	ı			R510	0RD1001F608	1.0K 1/6W 5 TA26	
		R408	0RH1001D622	1.0K 1/10W 5 D.R/TP				R511	0RD3300F608	330 1/6W 5 TA26	
		R409	0RH8200D622	820 1/10W 5 D.R/TP	1			R512	0RD3300F608	330 1/6W 5 TA26	
		R410	0RH2200D622	220 1/10W 5 D.R/TP	1			R513	0RD1202F608	12K 1/6W 5 TA26	
	l	R411	0RH2201D622	2.2K 1/10W 5 D.R/TP	1			R514	0RD4701F608	4.7K 1/6W 5 TA26	
	1	R412	0RH1001D622	1.0K 1/10W 5 D.R/TP	П		ŀ	R515	0RD3300F608	330 1/6W 5 TA26	
i	ļ	R413	0RH8200D622	820 1/10W 5 D.R/TP	Ιİ			R516	0RD3300F608	330 1/6W 5 TA26	
	1	R414	0RH2201D622	2.2K 1/10W 5 D.R/TP				R517	0RD1202F608	12K 1/6W 5 TA26	
	1	R415	0RH2200D622	220 1/10W 5 D.R/TP	1		ļ	R518	0RD4701F608	4.7K 1/6W 5 TA26	
ŀ	1	R416	0RH2700D622	270 1/10W 5 D.R/TP	H			R519 R520	0RD2200F608 0RD1001F608	220 1/6W 5 TA26 1.0K 1/6W 5 TA26	
		R417	0RH1001D622	1.0K 1/10W 5 D.R/TP 680 1/10W 5 D.R/TP	Н			R521	0RD1003F608	100K 1/6W 5 TA26	
		R418 R419	0RH6800D622 0RH2201D622	2.2K 1/10W 5 D.R/TP	П		ŀ	R522	0RD1001F608	1,0K 1/6W 5 TA26	
		R420	0RH2200D622	220 1/10W 5 D.R/TP	l			R523	0RD1002F608	10K 1/6W 5 TA26	
		R421	0RH1001D622	1.0K 1/10W 5 D.R/TP	П			R524	0RD1003F608	100K 1/6W 5 TA26	
	1	R422	0RH3901D622	3.9K 1/10W 5 D.R/TP	П		1	R525	0RD2700F608	270 1/6W 5 TA26	
		R423	0RH1001D622	1.0K 1/10W 5 D.R/TP	Н			R526	0RD5601F608	5.6K 1/6W 5 TA26	
	ľ	R424	0RH0472D622	47 1/10W 5 D.R/TP	П		l	R527	0RD1001F608	1.0K 1/6W 5 TA26	
		R425	0RH1001D622	1.0K 1/10W 5 D.R/TP	`		l	R528	0RD1001F608	1.0K 1/6W 5 TA26	
		R426	0RH1001D622	1.0K 1/10W 5 D.R/TP				R529	0RD1001F608	1.0K 1/6W 5 TA26	
		R427	0RH1001D622	1.0K 1/10W 5 D.R/TP			l	R530	0RD1001F608	1.0K 1/6W 5 TA26	
		R428	0RH1001D622	1.0K 1/10W 5 D.R/TP	11			R531	0RD1002F608	10K 1/6W 5 TA26	
		R429	0RH2700D622	270 1/10W 5 D.R/TP	П			R532 R533	0RD1002F608 0RS0621K619	10K 1/6W 5 TA26	
	1	R430	0RH3900D622	390 1/10W 5 D.R/TP	Н			R535	0RD2201F608	6.2 OHM 2 W 5% TR R T/P 2.2K 1/6W 5 TA26	
		R431 .	0RH2701D622 0RH3302D622	2.7K 1/10W 5 D.R/TP 33K 1/10W 5 D.R/TP	Н		İ	R536	0RD1002F608	10K 1/6W 5 TA26	
l		R433	0RH1202D622	12K 1/10W 5 D.R/TP	Н			R537	0RD1002F608	10K 1/6W 5 TA26	
l	1	R434	0RH2202D622	22K 1/10W 5 D.R/TP	Н			R538	0RD1002F608	10K 1/6W 5 TA26	
l		R435	0RH2202D622	22K 1/10W 5 D.R/TP	1		1	R539	0RD5602F608	56K 1/6W 5 TA26	
		R436	0RH1001D622	1.0K 1/10W 5 D.R/TP	1			R540	0RD1001F608	1.0K 1/6W 5 TA26	
l	1	R437	0RH1001D622	1.0K 1/10W 5 D.R/TP			]	R541	0RD4701F608	4.7K 1/6W 5 TA26	
	1	R438	0RH1001D622	1.0K 1/10W 5 D.R/TP				R544	0RD1001F608	1.0K 1/6W 5 TA26	
ı	1	R439	0RH2700D622	270 1/10W 5 D.R/TP	П			R553	0RD1001F608	1.0K 1/6W 5 TA26	
l	1	R440	0RH3900D622	390 1/10W 5 D.R/TP	li		ĺ	R554	0RD5600F608	560 1/6W 5 TA26	
•		R441	0RH8200D622	820 1/10W 5 D.R/TP	П			R555	0RD5600F608	560 1/6W 5 TA26	
l		R442	ORH2701D622	2.7K 1/10W 5 D.R/TP	1 1			R559	0RD1004F608	1.0M 1/6W 5 TA26	
l	1	R443	0RH5602D622	56K 1/10W 5 D.R/TP	П		1	R560	0RD5601F608	5.6K 1/6W 5 TA26	
l		R444	0RH8200D622	820 1/10W 5 D.R/TP	1			R561	0RD1002F608	10K 1/6W 5 TA26	
	1	R445	0RH1802D622	18K 1/10W 5 D.R/TP	Н		1	R562	0RD1003F608	100K 1/6W 5 TA26	
	1	R448 R449	0RH1001D622 0RH4702D622	1.0K 1/10W 5 D.R/TP			1	R564 R565	0RD1002F608	10K 1/6W 5 TA26 10K 1/6W 5 TA26	
	1	R455	0RH1001D622	47K 1/10W 5 D.R/TP 1.0K 1/10W 5 D.R/TP	١l		1	R566	0RD2203F608	220K 1/6W 5 TA26	
	1	R456	0RH1001D622	1.0K 1/10W 5 D.R/TP			1	R567	0RD2203F608	220K 1/6W 5 TA26	
		R457	0RH1001D622	1.0K 1/10W 5 D.R/TP			1	R575	0RD1000F608	100 1/6W 5 TA26	
		R458	0RH1001D622	1.0K 1/10W 5 D.R/TP			1	R576	0RD1000F608	100 1/6W 5 TA26	
1		R459	0RH1001D622	1.0K 1/10W 5 D.R/TP			j	R578	0RD6800F608	680 1/6W 5 TA26	
		R460	0RH1001D622	1.0K 1/10W 5 D.R/TP			1	R579	0RD3902F608	39K 1/6W 5 TA26	
1		R461	0RH1001D622	1.0K 1/10W 5 D.R/TP			1	R580	0RD6803F608	680K 1/6W 5 TA26	
L	Т.		<u> </u>		J L		L			<u> </u>	

SAL	LOCA.NO	PART NO(GS)	SPECIFICATION	s	Ai e	OCA NO	PART NO(GS)	RUN DATE : 9 SPECIFICATION
+-	R587	0RD1202F608	12K 1/6W 5 TA26	ا ا	+	R641	0RD1001F608	1.0K 1/6W 5 TA26
	R588	0RD5601F608	5.6K 1/6W 5 TA26		1 1	R642	0RD8200F608	820 1/5W 5 TA26
	R589	0RD3302F608	33K 1/6W 5 TA26		1 1	R643	0RD4702F608	47K 1/6W 5 TA26
	R590	0RD2200F608	220 1/6W 5 TA26			R644	0RD4702F608	47K 1/6W 5 TA26
	R591	0RD1001F608	1.0K 1/6W 5 TA26		1 1	R645	0RD1501F608	1.5K 1/6W 5 TA26
	R592	0RD1001F608	1.0K 1/6W 5 TA26			R646	0RD1002F608	10K 1/6W 5 TA26
	R593	0RD2702F608	27K 1/6W 5 TA26	l	1 )	R647	0RD1501F608	1.5K 1/5W 5 TA26
1	R5J3	0RD2201F608	2.2K 1/6W 5 TA26			R648	ORD2201F608	2.2K 1/6W 5 TA26
	R5J4	0RD2201F608	2.2K 1/6W 5 TA26			R649	0RD1001F608	1.0K 1/6W 5 TA26
	R5M1	0RD1001F608	1.0K 1/6W 5 TA26			R650	0RD6801F608	6.8K 1/6W 5 TA26
	R5M2	0RD1001F608	1.0K 1/6W 5 TA26		1 1	R651	0RD3302F608	33K 1/6W 5 TA26
	R5M3	0RD1001F608	1.0K 1/6W 5 TA26		1 1	R652	0RD1002F608	10K 1/6W 5 TA26
	R5M4	0RD1001F608	1.0K 1/6W 5 TA26		1	R653	ORD6800F608	680 1/6W 5 TA26
1	R5S1	0RD1001F608	1.0K 1/6W 5 TA26			R654	ORD1801F608	1.8K 1/6W 5 TA26
	R5S2 R5S3	0RD1001F608	1.0K 1/6W 5 TA26			R655	ORD6801F608	6.8K 1/6W 5 TA26
		0RD1001F608	1.0K 1/6W 5 TA26		1 1	R658	0RD2701F608	2.7K 1/6W 5 TA26
	R5S4 R5S5	0RD1001F608	1.0K 1/6W 5 TA26			R701	0RD4700F608	470 1/6W 5 TA26
	R5S6	0RD3301F608 0RD1502F608	3.3K 1/6W 5 TA26			R702	0RD0182F608	18 1/6W 5 TA26
	R5S7	0RD1002F608	15K 1/6W 5 TA26 10K 1/6W 5 TA26			R703	0RD1002F608	10K 1/6W 5 TA26
	R5\$8	0RD2201F608	2.2K 1/6W 5 TA26		₹ I	R704	0RD2700F608	270 1/6W 5 TA26
	R5S9	0RD2201F608	2.2K 1/6W 5 TA26		1 1	R705 R706	0RD8200F608 0RD1001F608	820 1/6W 5 TA26
	R601	0RD0682F608	68 1/6W 5 TA26	ļ		R707	0RD5601F608	1.0K 1/6W 5 TA26 5.6K 1/6W 5 TA26
-	R602	0RD4700F608	470 1/6W 5 TA26		1 [	R708	0RD2202F608	22K 1/6W 5 TA26
-	R603	0RD0122F608	12 1/6W 5 TA26	-		R709	0RD1802F608	18K 1/6W 5 TA26
ļ.	R604	0RD0682F608	68 1/6W 5 TA26		1 1	R710	0RD1003F608	100K 1/6W 5 TA26
	R605	0RD0822F608	82 1/6W 5 TA26			R711	ORD8202F608	82K 1/6W 5 TA26
	R606	0RD4700F608	470 1/6W 5 TA26			R712	0RD4700F608	470 1/6W 5 TA26
	R607	0RD0822F608	82 1/6W 5 TA26			R713	0RD2202F608	22K 1/6W 5 TA26
	R608	0RD1801F608	1.8K 1/6W 5 TA26		]	R714	0RD1003F608	100K 1/6W 5 TA26
ı	R609	0RD1501F608	1.5K 1/6W 5 TA26			R715	0RD5601F608	5.6K 1/6W 5 TA26
	R610	0RD1202F608	12K 1/6W 5 TA26			R716	ORD5601F608	5.6K 1/6W 5 TA26
- 1	R611	0RD1001F608	1.0K 1/6W 5 TA26			R717	0RD5601F608	5.6K 1/6W 5 TA26
- 1	R612 R613	0RD1001F608	1.0K 1/6W 5 TA26		1 1	R718	ORD1802F608	18K 1/6W 5 TA26
	R614	0RD1000F608 0RD2701F608	100 1/6W 5 TA26 2.7K 1/6W 5 TA26			R719	0RD2202F608	22K 1/6W 5 TA26
	R615	0RD1501F608	1.5K 1/6W 5 TA26			R720	0RD1502F608	15K 1/6W 5 TA26
	R616	0RD2701F608	2.7K 1/6W 5 TA26		1 1	R722	0RD1502F608	15K 1/6W 5 TA26
- [	R617	0RD1801F608	1.8K 1/6W 5 TA26	1	1 1	R723 R724	0RD1801F608	1.8K 1/6W 5 TA26
	R618	0RD2201F608	2.2K 1/6W 5 TA26		1 1	R801	ORD3900F608 ORD0102F608	390 1/6W 5 TA26
	R619	0RD0682F608	68 1/6W 5 TA26			R802	0RD2701F608	10 1/6W 5 TA26 2.7K 1/6W 5 TA26
	R620	0RD2201F608	2.2K 1/6W 5 TA26		1 1	R807	0RD1202F608	12K 1/6W 5 TA26
1	R621	0RD3300F608	330 1/6W 5 TA26		4 1	R808	0RD1000F608	100 1/6W 5 TA26
1 '	R622	0RD3301F608	3.3K 1/6W 5 TA26			R809	0RD1000F608	100 1/6W 5 TA26
	R623	0RD6800F608	680 1/6W 5 TA26			R810	0RD3304F608	3.3M 1/6W 5 TA26
	R624	0RD3301F608	3.3K 1/6W 5 TA26			R814	0RD3304F608	3.3M 1/6W 5 TA26
	R625	0RD8201F608	8.2K 1/6W 5 TA26			R815	0RD5601F608	5.6K 1/6W 5 TA26
	R626	0RD1001F608	1.0K 1/6W 5 TA26			R816	0RD1501F608	1.5K 1/6W 5 TA26
	R627	0RD1002F608	10K 1/6W 5 TA26			R817	ORD4700F608	470 1/6W 5 TA26
	R628	0RD1001F608	1.0K 1/6W 5 TA26			R818	0RD3900F608	390 1/6W 5 TA26
	R629	0RD1201F608	1.2K 1/6W 5 TA26			R820	0RD2202F608	22K 1/6W 5 TA26
	R630	0RD1001F608	1.0K 1/6W 5 TA26			R821	0RD3302F608	33K 1/6W 5 TA26
		0RD1002F608	10K 1/6W 5 TA26			R823	0RD1003F608	100K 1/6W 5 TA26
		0RD1502F608	15K 1/6W 5 TA26		I I	R824	0RD1803F608	180K 1/6W 5 TA26
		0RD2701F608	2.7K 1/6W 5 TA26			R825	0RD1802F608	18K 1/6W 5 TA26
		0RD1202F608	12K 1/6W 5 TA26			R826	0RD8201F608	8.2K 1/6W 5 TA26
		0RD8201F608	8.2K 1/6W 5 TA26			R827	0RD4701F608	4.7K 1/6W 5 TA26
		0RD3300F608	330 1/6W 5 TA26				0RD2202F608	22K 1/6W 5 TA26
		0RD3300F608	330 1/6W 5 TA26				0RD4701F608	4.7K 1/6W 5 TA26
		0RD3902F608	39K 1/6W 5 TA26				0RD4701F608	4.7K 1/6W 5 TA26
	_	ORD4701F608   ORD1501F608	4.7K 1/6W 5 TA26				0RD6800F608	680 1/6W 5 TA26
1 7			1.5K 1/6W 5 TA26	3	1 5	R839	0RD6800F608	680 1/6W 5 TA26

RUN DATE : 98.11.19

										RUN DATE : 98.11.19
s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION		s /	AL LO	CANO	PART NO(GS)	SPECIFICATION
		R841	0RD1000F608	100 1/6W 5 TA26		1	R	926	0RD5602F608	56K 1/6W 5 TA26
		R842	0RD1000F608	100 1/6W 5 TA26				927	0RD5602F608	56K 1/6W 5 TA26
		R845	0RD4701F608	4.7K 1/6W 5 TA26	1	1		928	0RD1001F608	1.0K 1/6W 5 TA26
		R846	0RD6801F608	6.8K 1/6W 5 TA26	İ	-1		929	0RD1203F608	120K 1/6W 5 TA26
	1	R847	0RD0472F608	47 1/6W 5 TA26		-		1930	0RD1003F608	100K 1/6W 5 TA26 18K 1/6W 5 TA26
		R848	0RD4702F608	47K 1/6W 5 TA26				1931 1932	0RD1802F608 0RD1802F608	18K 1/6W 5 TA26
	ļ	R849	0RD0102F608	10 1/6W 5 TA26	-	- 1		1933	0RD1003F608	100K 1/6W 5 TA26
		R850	0RD0102F608	10 1/6W 5 TA26 100K 1/6W 5 TA26				1934	0RD1203F608	120K 1/6W 5 TA26
		R861 R862	0RD1003F608 0RD1003F608	100K 1/6W 5 TA26	-	ı		1935	0RD1001F608	1.0K 1/6W 5 TA26
		R870	0RD4701F608	4.7K 1/6W 5 TA26		ı		1936	0RD1001F608	1.0K 1/6W 5 TA26
	1	R871	0RD6801F608	6.8K 1/6W 5 TA26		- 1		3937	0RD1203F608	120K 1/6W 5 TA26
		R872	0RD0472F608	47 1/6W 5 TA26	1	1		1938	0RD1203F608	120K 1/6W 5 TA26
		R873	0RD4702F608	47K 1/6W 5 TA26		-	F	1939	0RD1203F608	120K 1/6W 5 TA26
	1	R874	0RD0102F608	10 1/6W 5 TA26		İ	F	R940	0RD1203F608	120K 1/6W 5 TA26
	ļ	R875	0RD0102F608	10 1/6W 5 TA26				1941	0RD1001F608	1.0K 1/6W 5 TA26
		R876	0RD1003F608	100K 1/6W 5 TA26		- 1	1 '	7942	0RD1001F608	1.0K 1/6W 5 TA26
i		R877	0RD1003F608	100K 1/6W 5 TA26	l			7943	0RD1001F608	1.0K 1/6W 5 TA26
		R878	ORD6800F608	680 1/6W 5 TA26		- 1		7944	0RD1202F608	12K 1/6W 5 TA26
l	1	R879	0RD1503F608	150K 1/6W 5 TA26				R945 R946	0RD1202F608 0RD1202F608	12K 1/6W 5 TA26 12K 1/6W 5 TA26
	1	R880 R882	0RD1503F608 0RD1203F608	150K 1/6W 5 TA26 120K 1/6W 5 TA26	ı	- 1		R947	0RD1202F608	12K 1/6W 5 TA26
		R883	0RD3903F608	390K 1/6W 5 TA26	Н			R948	0RD1002F608	10K 1/6W 5 TA26
ļ		R884	0RD1003F608	100K 1/6W 5 TA26		١		R949	0RD1002F608	10K 1/6W 5 TA26
l	1	R885	0RD6801F608	6.8K 1/6W 5 TA26	П	1		R950	ORD5600F608	560 1/6W 5 TA26
ļ	1	R886	0RD1001F608	1.0K 1/6W 5 TA26	H	٠.		R951	ORD5600F608	560 1/6W 5 TA26
		R887	0RD3903F608	390K 1/6W 5 TA26		-		R952	0RD1002F608	10K 1/6W 5 TA26
1		R888	0RD8202F608	82K 1/6W 5 TA26	П			R953	0RD1002F608	10K 1/6W 5 TA26
1		R889	0RD1001F608	1.0K 1/6W 5 TA26	H			R954	0RD5600F608	560 1/6W 5 TA26
ı		R890	ORD7500F608	750 1/6W 5 TA26	11			R955	0RD5600F608	560 1/6W 5 TA26 27K 1/6W 5 TA26
l		R891	0RD3903F608	390K 1/6W 5 TA26	1			R956 R957	0RD2702F608 0RD3902F608	39K 1/6W 5 TA26
i		R892 R893	ORD8202F608 ORD1001F608	82K 1/6W 5 TA26 1.0K 1/6W 5 TA26	11	1		R958	0RD1001F608	1.0K 1/6W 5 TA26
1		R894	0RD7500F608	750 1/6W 5 TA26			1 1	R959	0RD1001F608	1.0K 1/6W 5 TA26
L		R896	0RD2702F608	27K 1/6W 5 TA26	H			R960	0RD0752F608	75 1/6W 5 TA26
1	1	R897	0RD1201F608	1.2K 1/6W 5 TA26	ΙÌ			R961	0RD1001F608	1.0K 1/6W 5 TA26
	1	R899	0RD1202F608	12K 1/6W 5 TA26	Ш			R962	0RD1001F608	1.0K 1/6W 5 TA26
1	ļ	R901	0RD1801F608	1.8K 1/6W 5 TA26	1 [			R963	0RD5603F608	560K 1/6W 5 TA26
1		R902	0RD1801F608	1.8K 1/6W 5 TA26	Ιİ			R964	0RD3302F608	33K 1/6W 5 TA26
ı	1	R903	0RD1801F608	1.8K 1/6W 5 TA26	ļΙ			R965	0RD1000F608	100 1/6W 5 TA26
1		R904	0RD1801F608	1.8K 1/6W 5 TA26	11			R966 R967	ORD1502F608 ORD1502F608	15K 1/6W 5 TA26 15K 1/6W 5 TA26
1	İ	R905 R906	0RD2201F608 0RD2201F608	2.2K 1/6W 5 TA26 2.2K 1/6W 5 TA26	11			RP01	614-007A	2.7/2W CEMENT SMPS V
L	ŀ	R907	0RD1001F608	1.0K 1/6W 5 TA26	11			RP02	0RD4702F608	47K 1/6W 5 TA26
l		R908	0RD1001F608	1,0K 1/6W 5 TA26			1 1	RP03	ORD4702F608	47K 1/6W 5 TA26
1		R909	0RD6800F608	680 1/6W 5 TA26	11			RP04	ORD5101F608	5.1K 1/6W 5 TA26
1	1	R910	0RD4700F608	470 1/6W 5 TA26	П			RP05	ORD0752F608	75 1/6W 5 TA26
ı		R911	0RD1201F608	1.2K 1/6W 5 TA26				RP06	0RD1202F608	12K 1/6W 5 TA26
1		R912	0RD1000F608	100 1/6W 5 TA26				RP07	0RD2201F608	2.2K 1/6W 5 TA26
1	1	R913	0RD1000F608	100 1/6W 5 TA26				RP08	0RD1800F608	180 1/6W 5 TA26
1		R914	0RD0752F608	75 1/6W 5 TA26				RP09	0RD1800F608	180 1/6W 5 TA26 3.3K 1/6W 1 TA26
İ	1	R915	0RD0752F608	75 1/6W 5 TA26				RP10 RP11	ORN3301F408 ORN2701F408	2.70K 1/6W 1% TA26
1		R916	0RD0752F608	75 1/6W 5 TA26 75 1/6W 5 TA26	11			RP12	0RD3300F608	330 1/6W 5 TA26
		R917 R918	0RD0752F608 0RD0752F608	75 1/6W 5 TA26				RP13	0RD2201F608	2.2K 1/6W 5 TA26
		R919	0RD1003F608	100K 1/6W 5 TA26	11			RP14	0RD1001F608	1.0K 1/6W 5 TA26
	1	R920	0RD0752F608	75 1/6W 5 TA26			1 1	RP15	0RD1001F608	1.0K 1/6W 5 TA26
		R921	0RD1500F608	150 1/6W 5 TA26			1 1	RP16	0RD2702F608	27K 1/6W 5 TA26
		R922	0RD5602F608	56K 1/6W 5 TA26		İ		RP17	0RD1202F608	12K 1/6W 5 TA26
1	1	R923	0RD5602F608	56K 1/6W 5 TA26				RP18	0RD4701F608	4.7K 1/6W 5 TA26
1	-	R924	0RD1802F608	18K 1/6W 5 TA26				RP19	0RD2201F608	2.2K 1/6W 5 TA26
1	ļ	R925	0RD1802F608	18K 1/6W 5 TA26				RP20	0RD1002F608	10K 1/6W 5 TA26
L		1			ונ	Ь			.1	

s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		RP21	0RD0222F608	22 1/6W 5 TA26
		RP22	0RS0470K619	0.47OHM 2 W 5% TR
		RP23	0RD6801F608	6.8K 1/6W 5 TA26
		RP24	0RS3302K619	33K 2W 5% TR
		RP25	0RD2200F608	220 1/6W 5 TA26
		RP26	0RD2202F608	22K 1/6W 5 TA26
		RP27	0RD1003F608	100K 1/6W 5 TA26
		RP29	0RS3302K619	33K 2W 5% TR
		RP30	0RD5600F608	560 1/6W 5 TA26
		RP32	0RD1201F608	1.2K 1/6W 5 TA26
		RP33	0RD1201F608	1.2K 1/6W 5 TA26
		RP34	0RD5601F608	5.6K 1/6W 5 TA26
		RP36	0RD1002F608	10K 1/6W 5 TA26
		RP37	0RD2700F608	270 1/6W 5 TA26
		RP38	0RD2700F608	270 1/6W 5 TA26
		RP39	0RD2700F608	270 1/6W 5 TA26
		RP40	0RD2700F608	270 1/6W 5 TA26
		RP41	0RD2701F608	2.7K 1/6W 5 TA26
		RP42	0RD2701F608	2.7K 1/6W 5 TA26
		RP99	0RD0222F608	22 1/6W 5 TA26